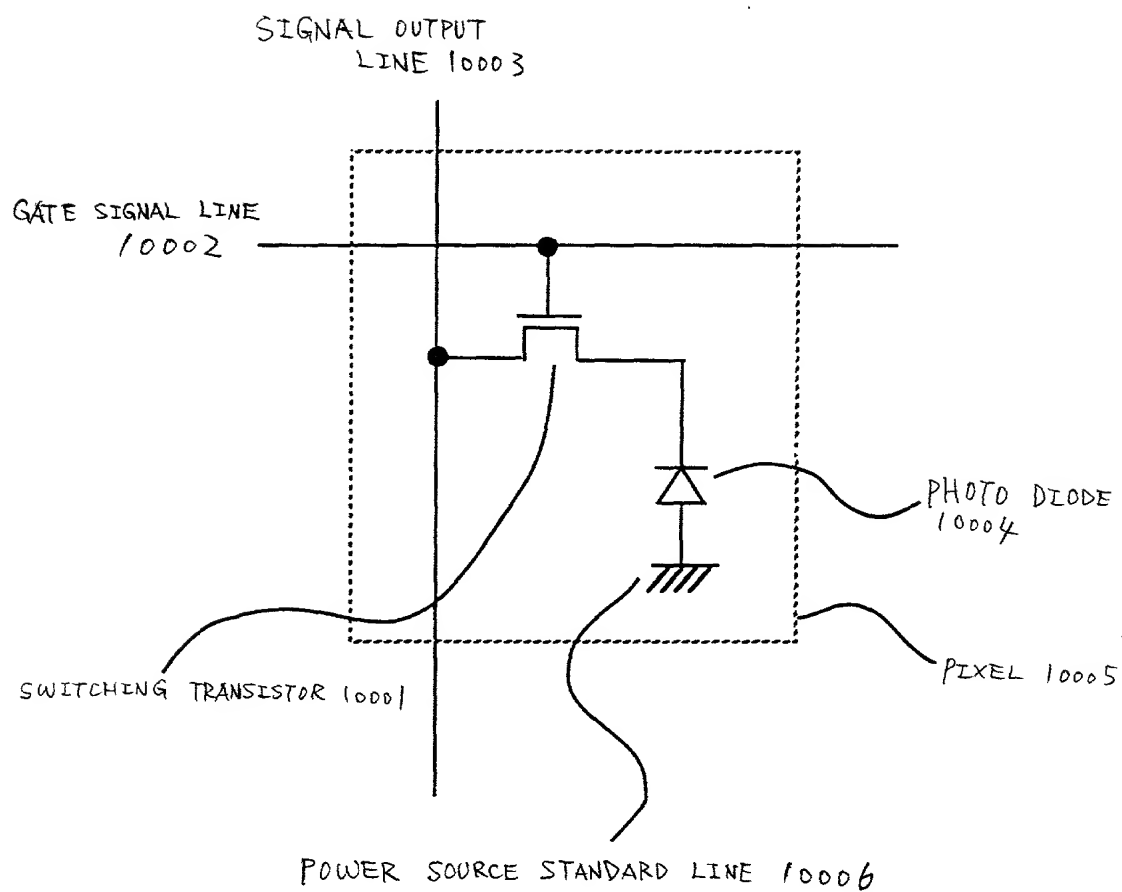
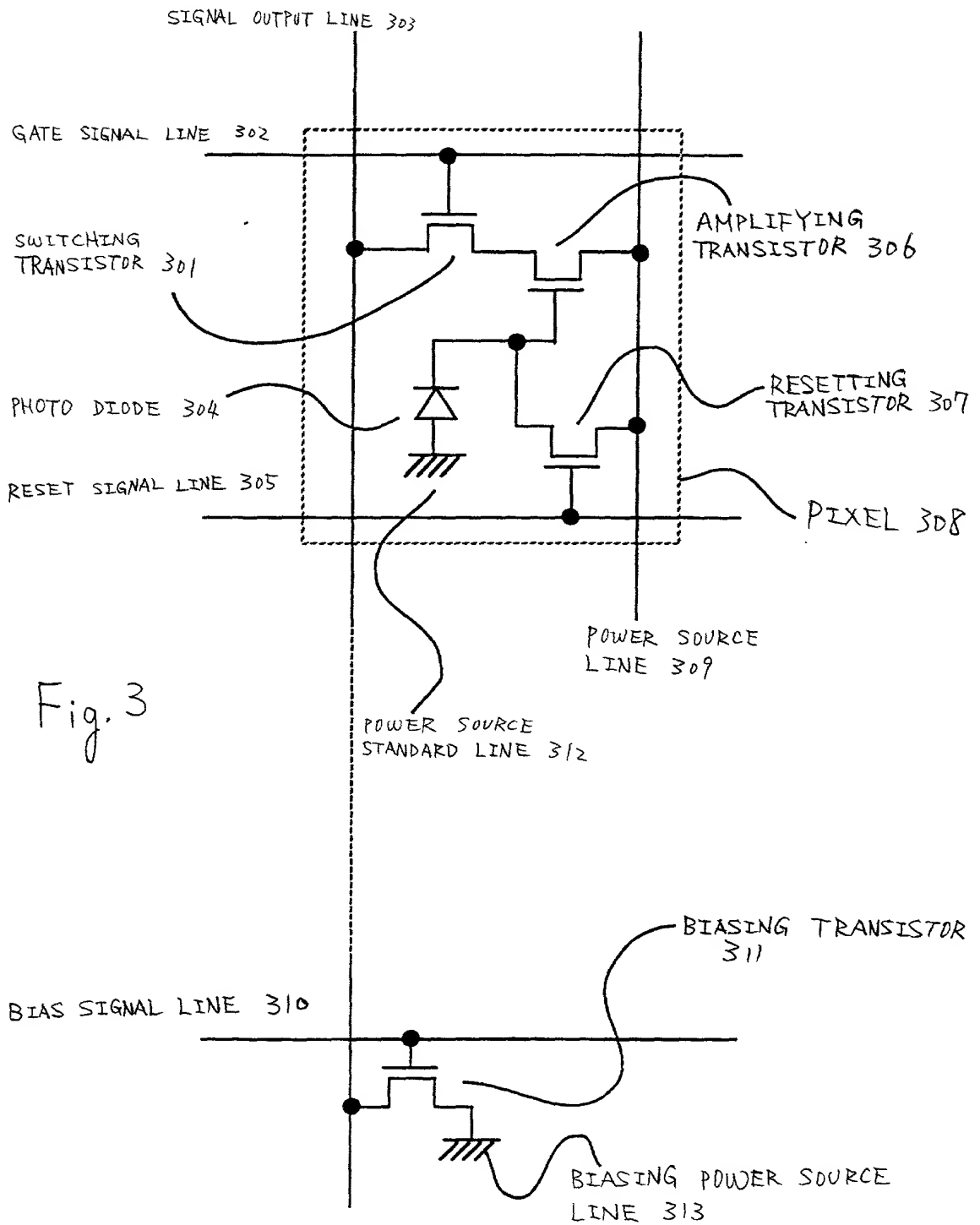
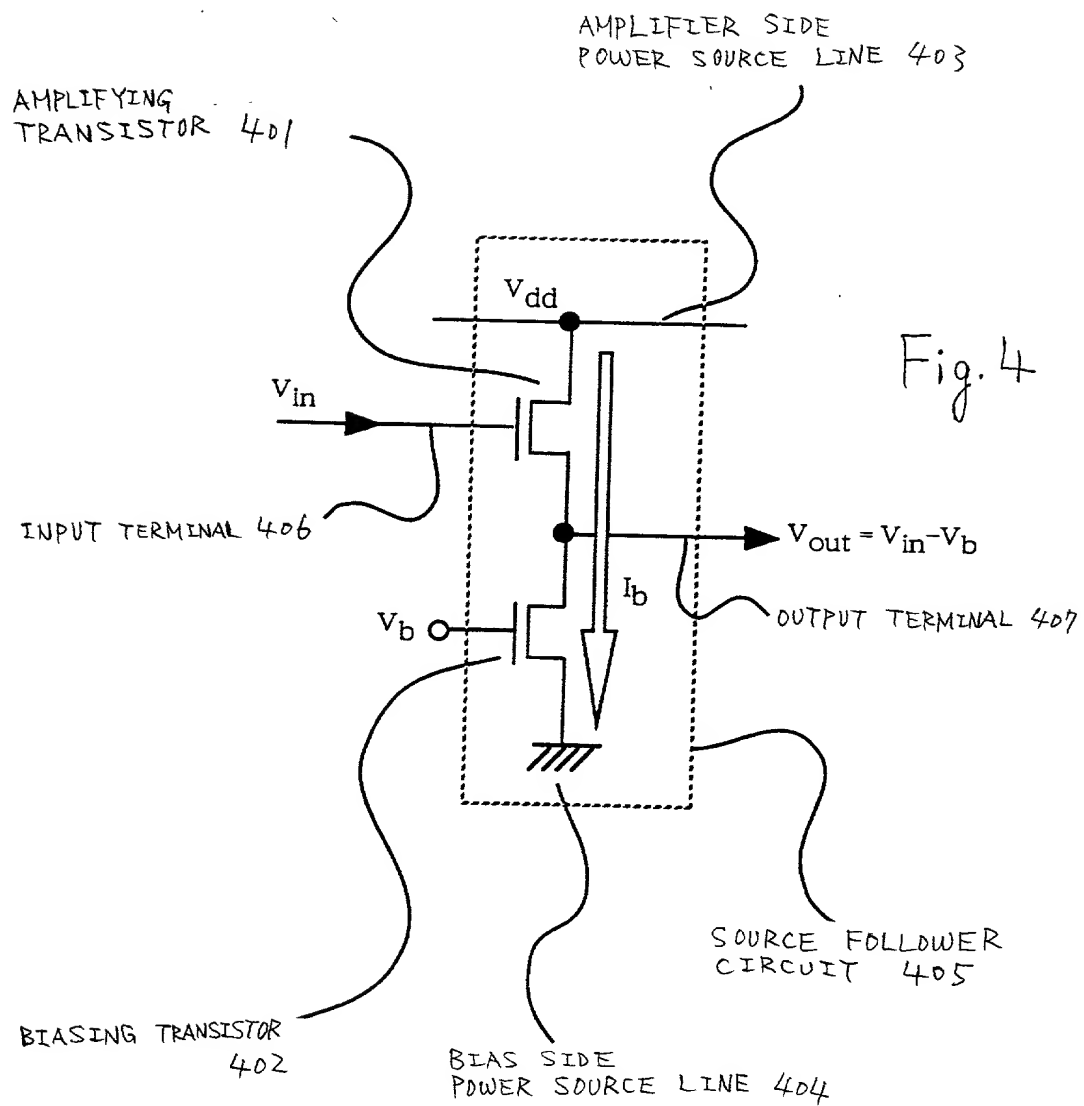


Fig. 2







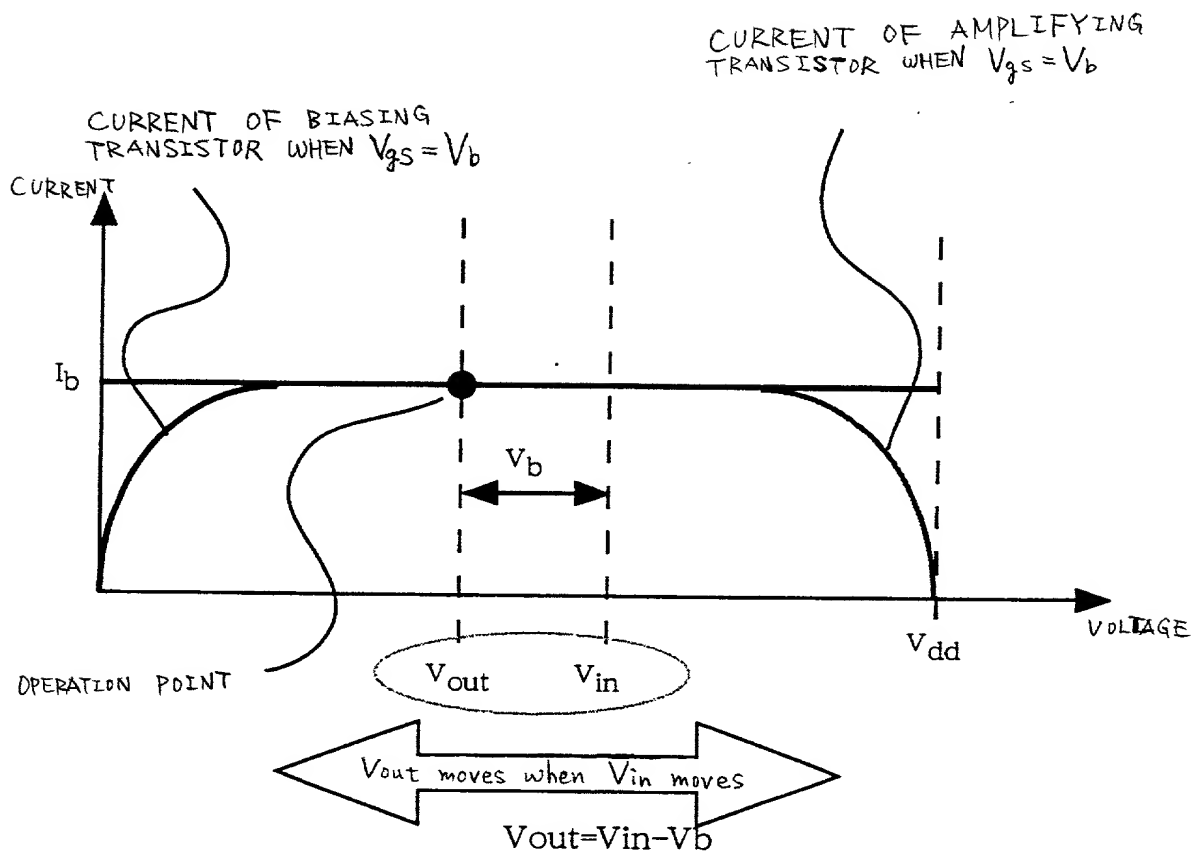


Fig. 5

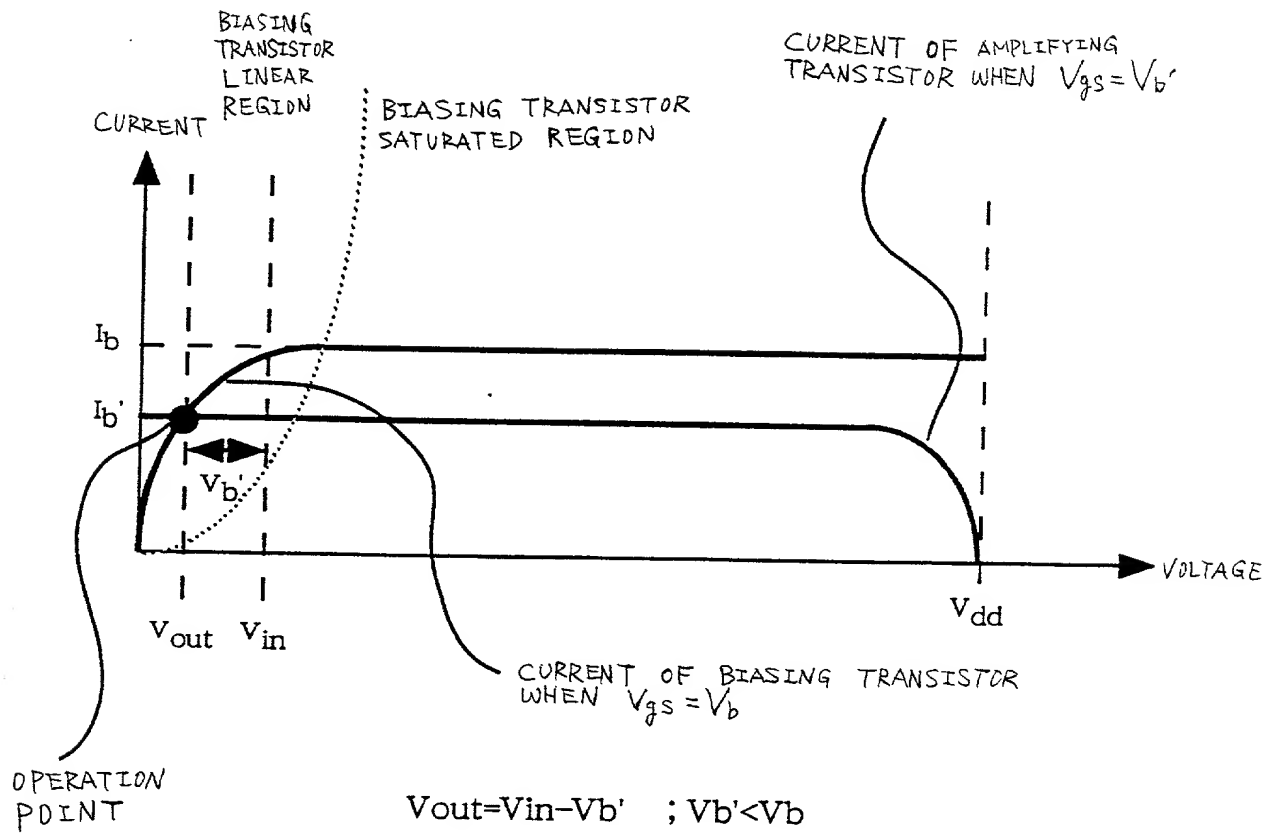


Fig. 6

NON-LINEAR

$$V_{out} = V_{in} - V_{b'}$$

; $V_{b'}$ varies with V_{in}

LINEAR REGION

$$V_{out} = V_{in} - V_b$$

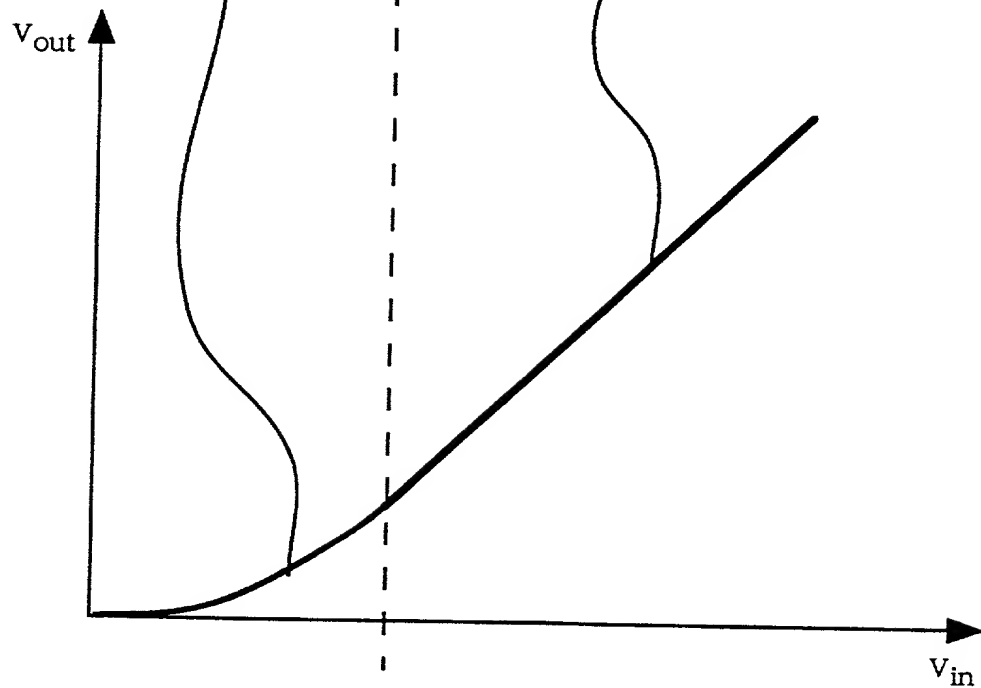
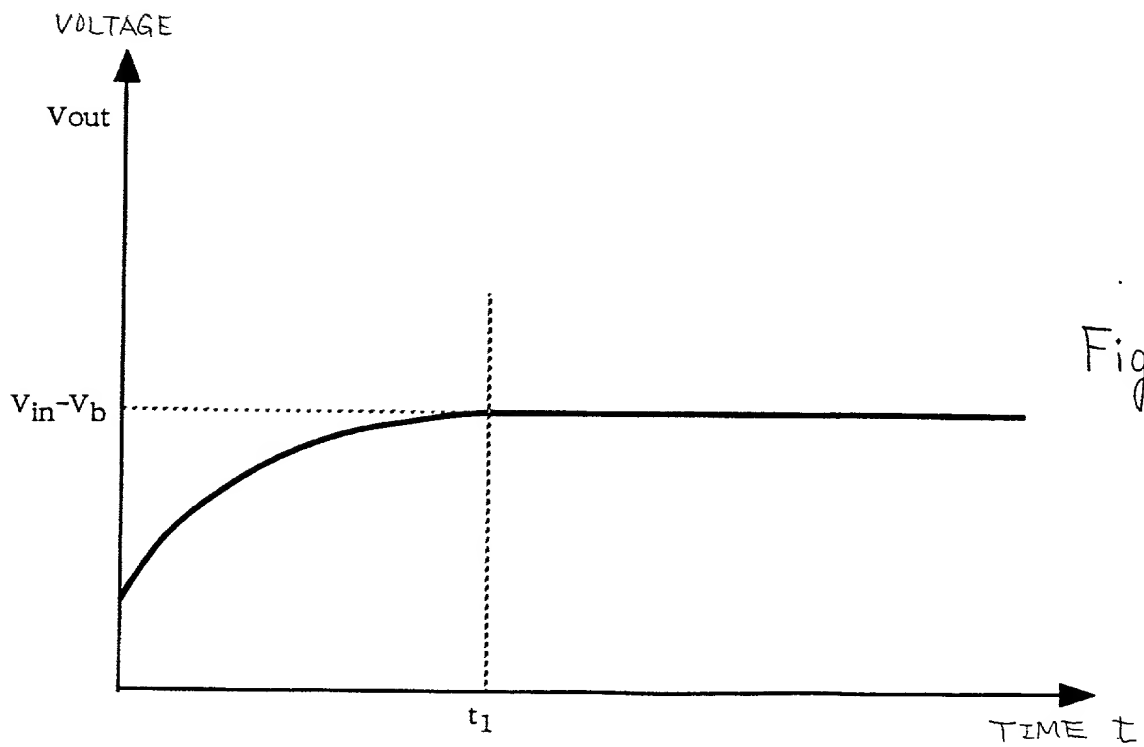
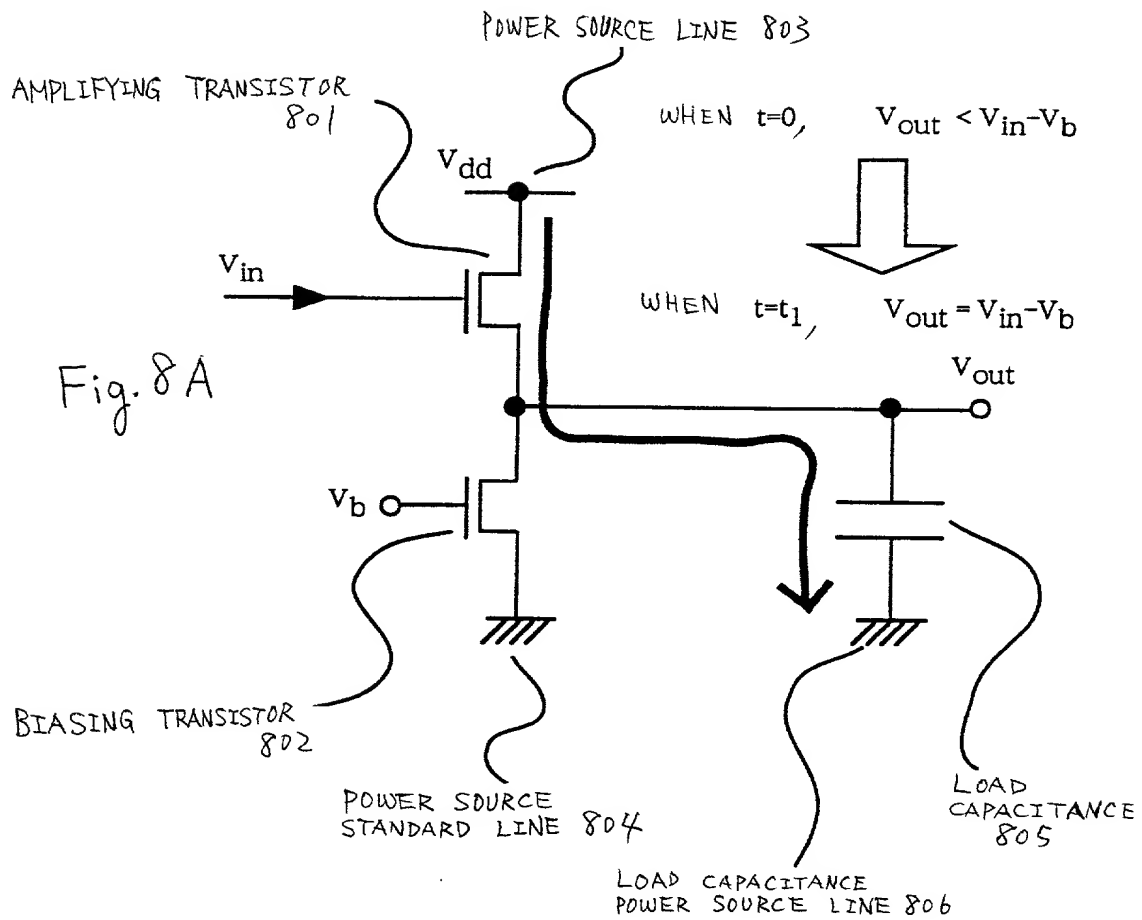
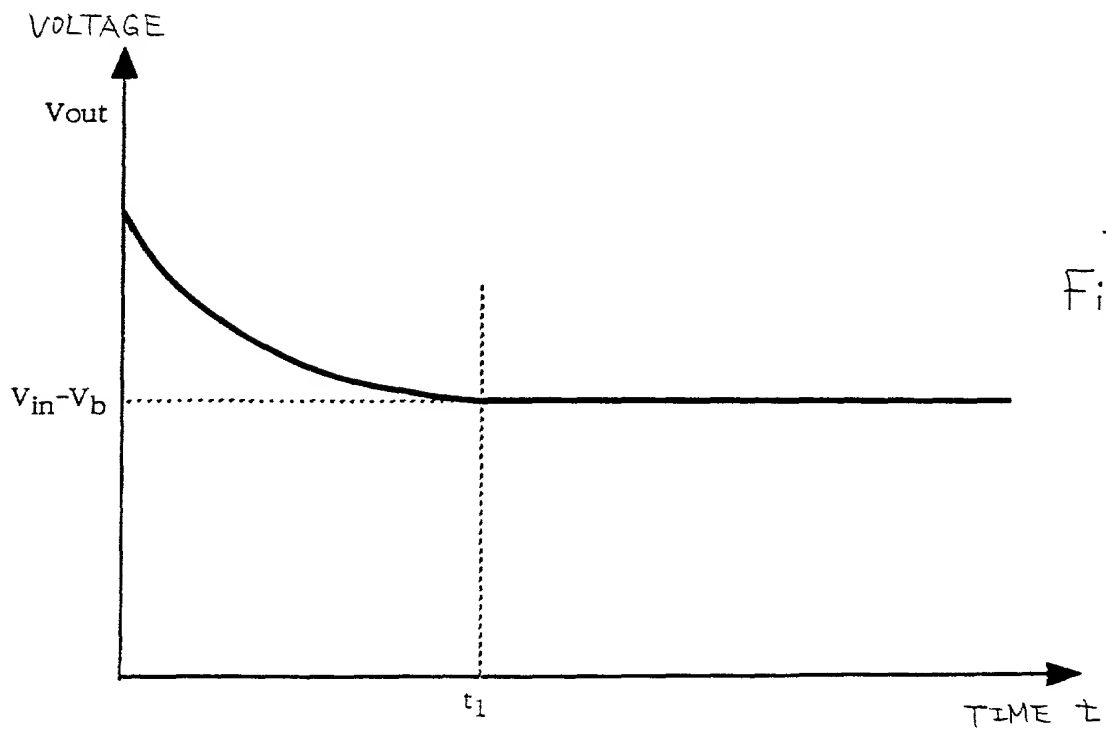
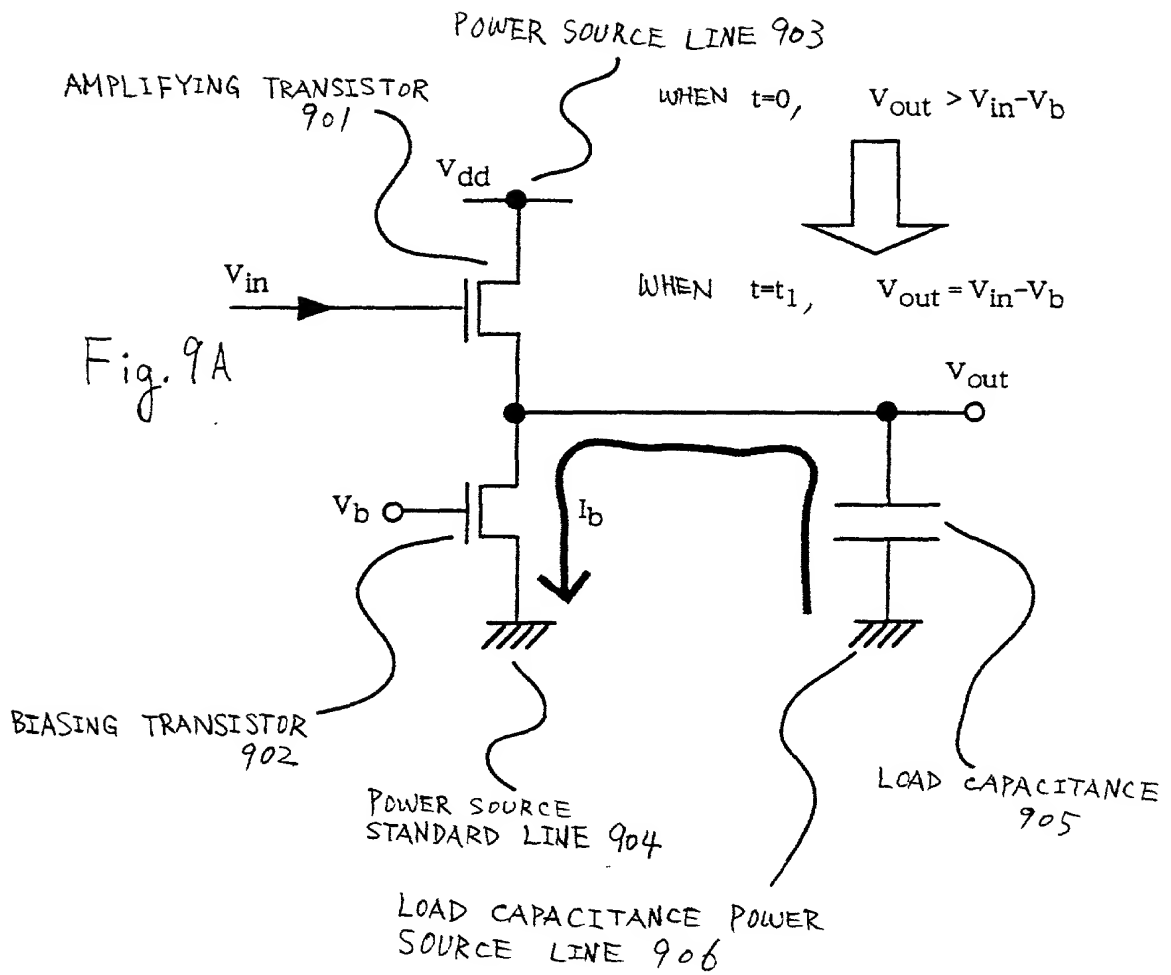


Fig. 7





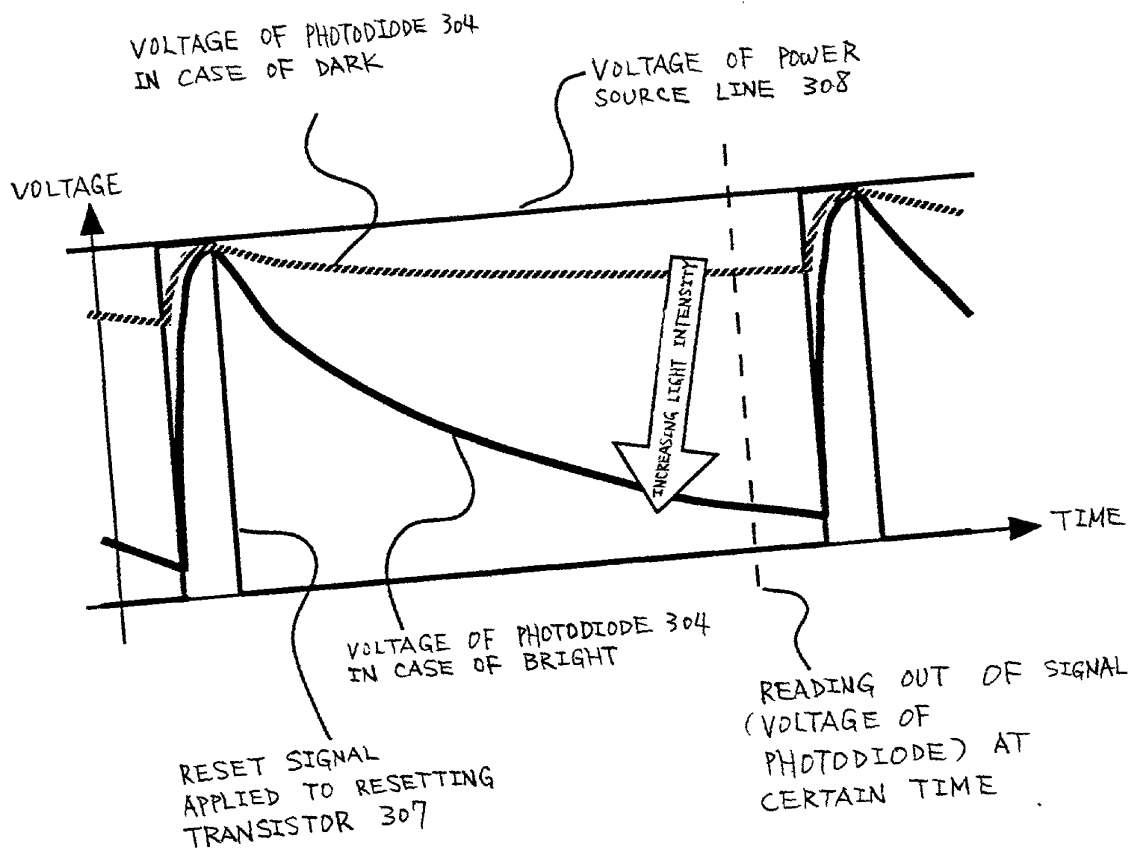
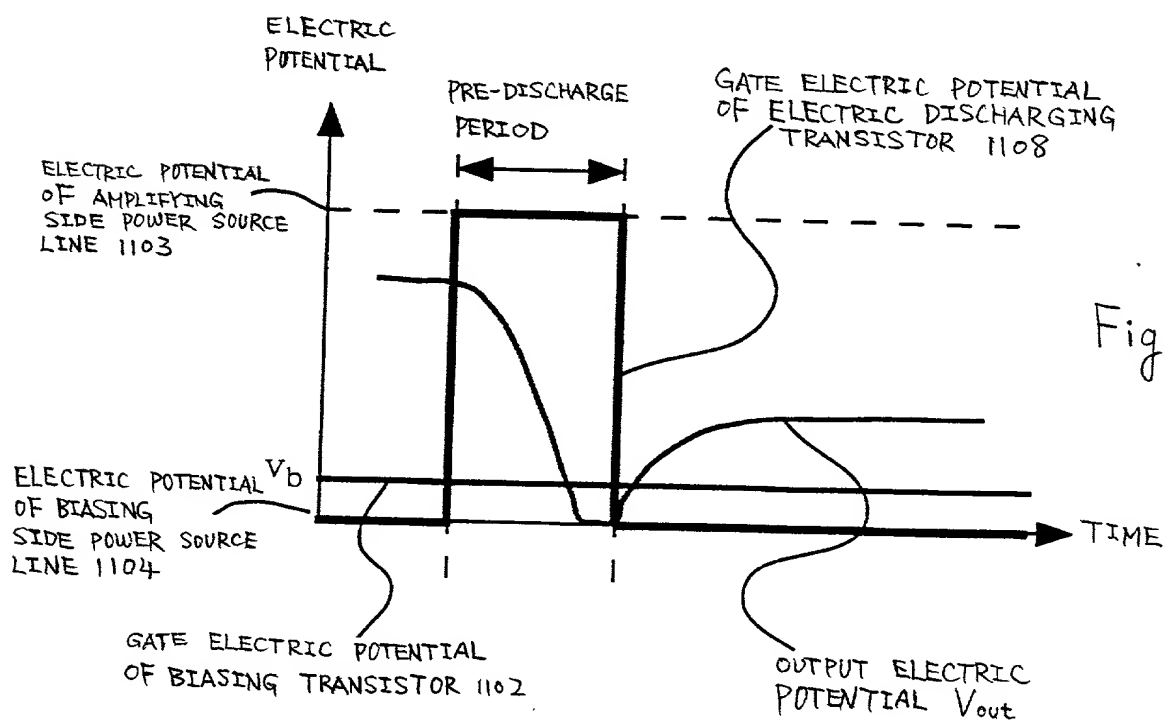
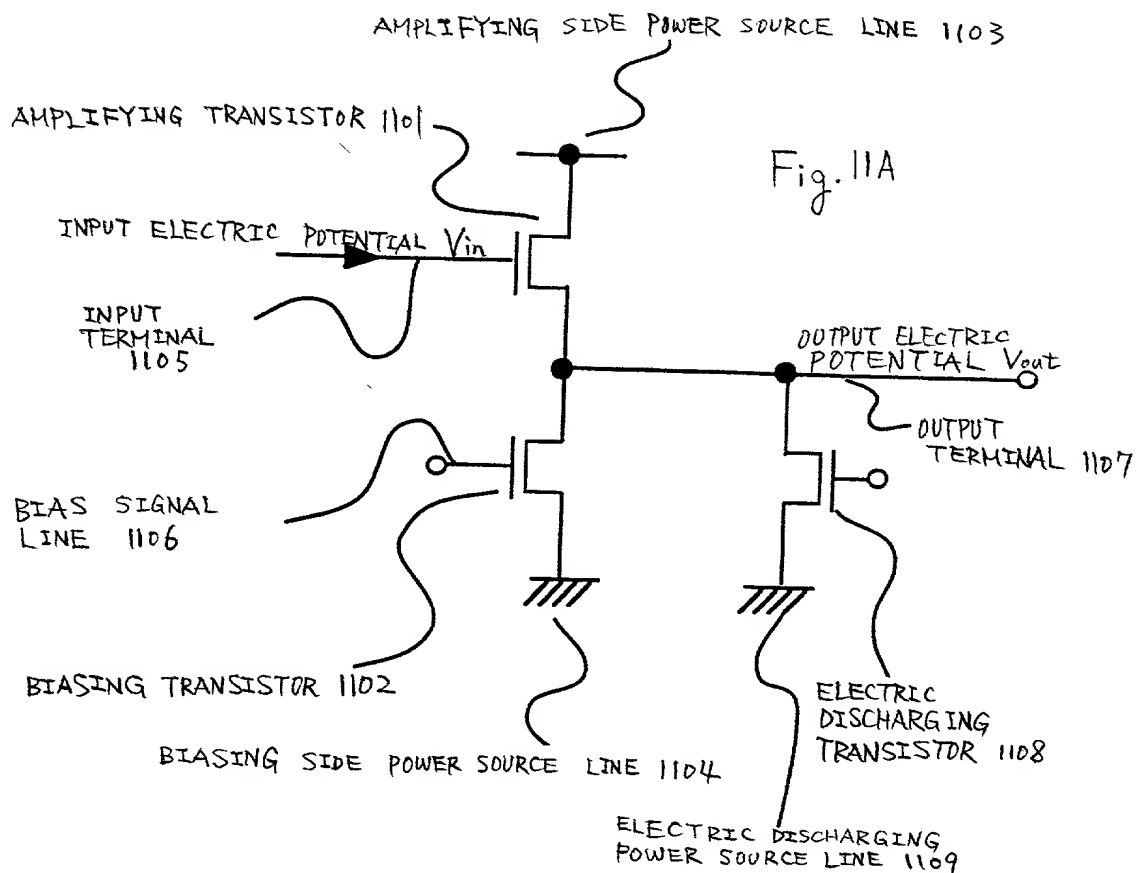
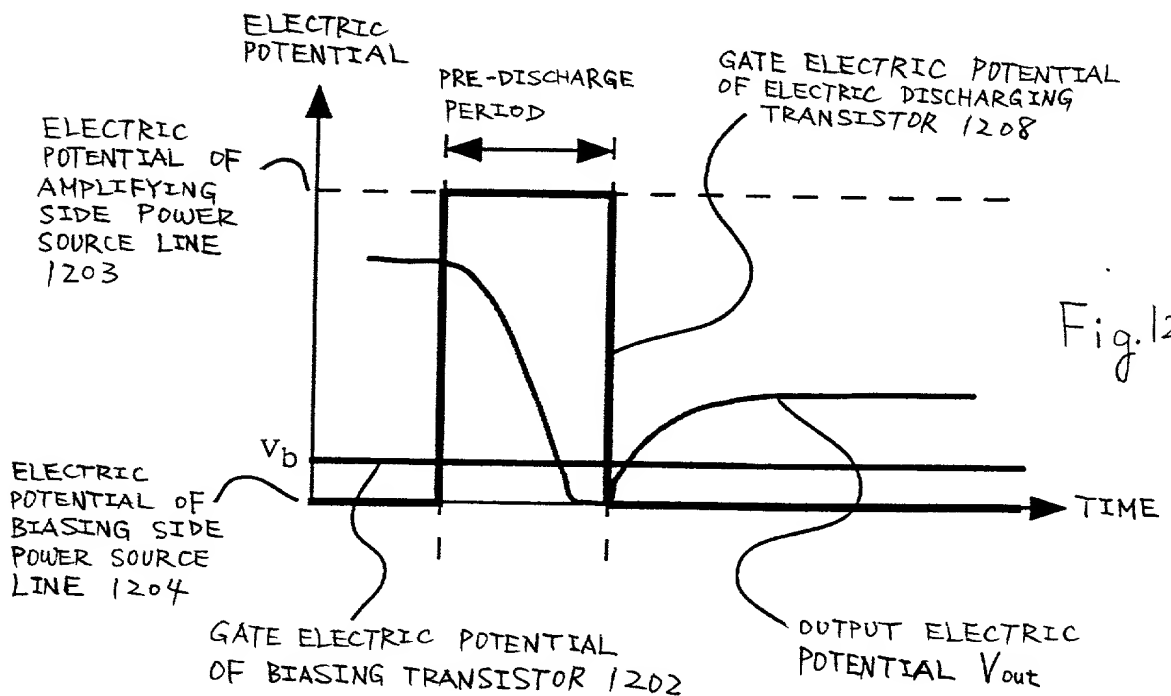
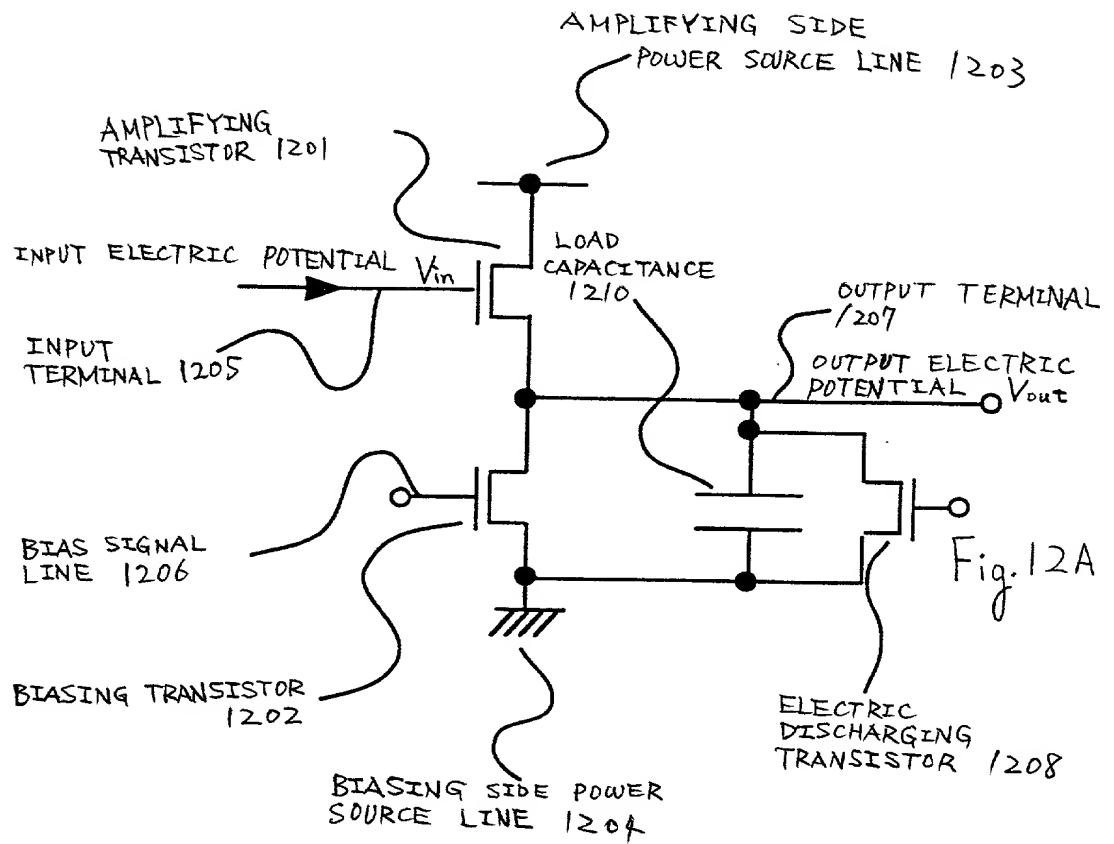
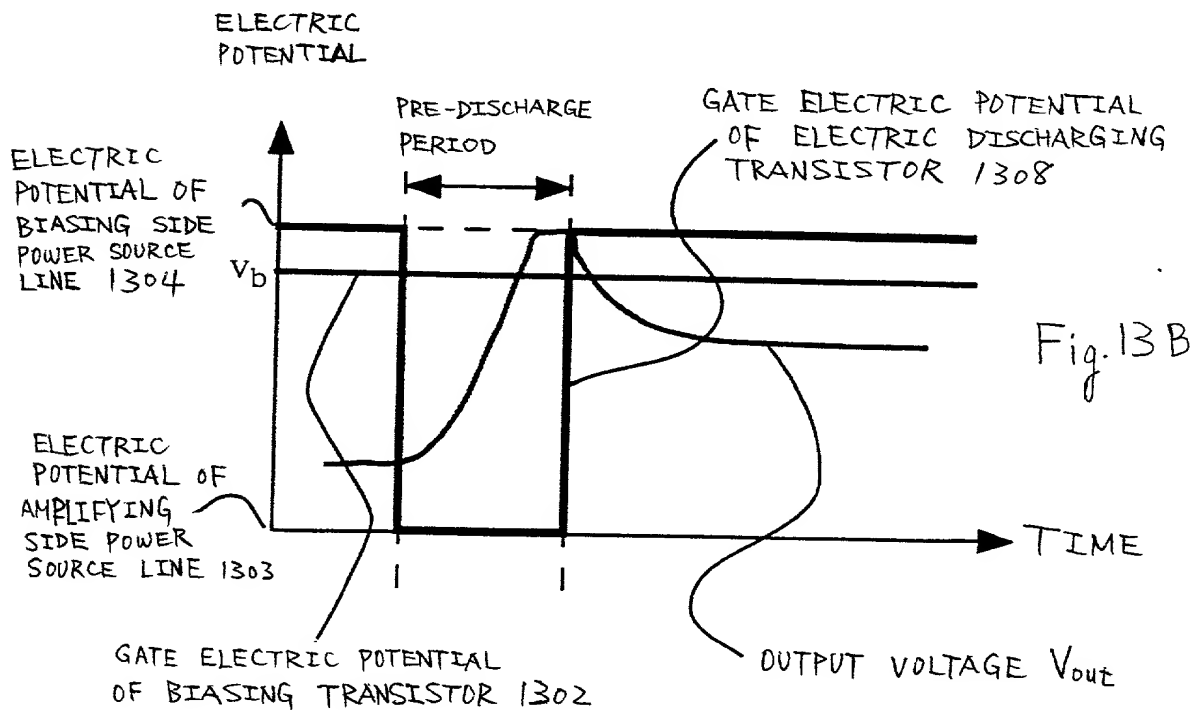
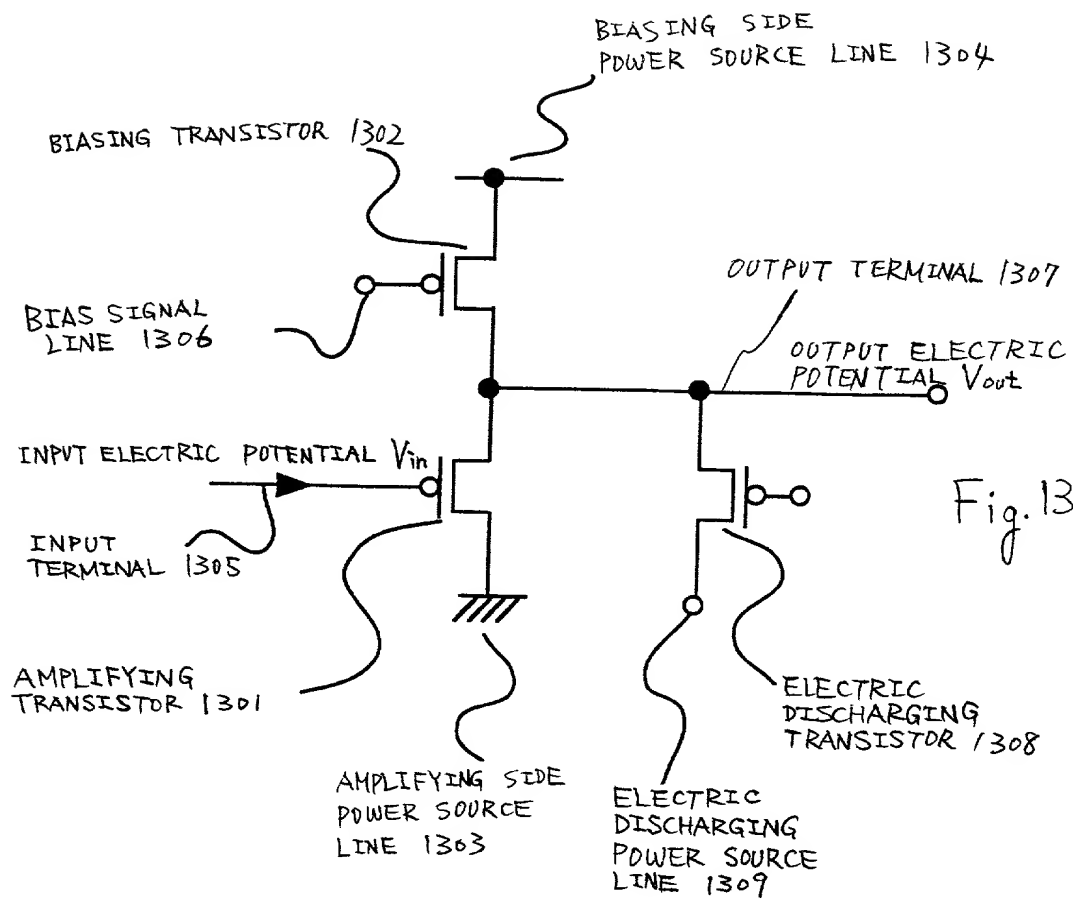
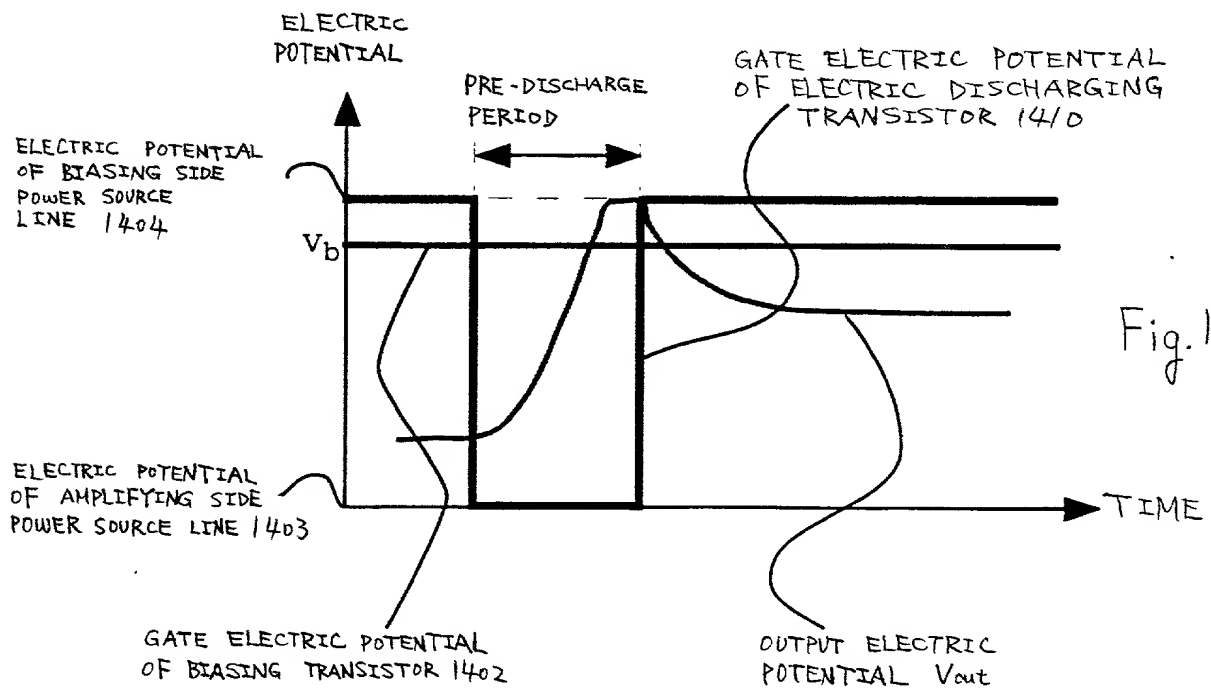
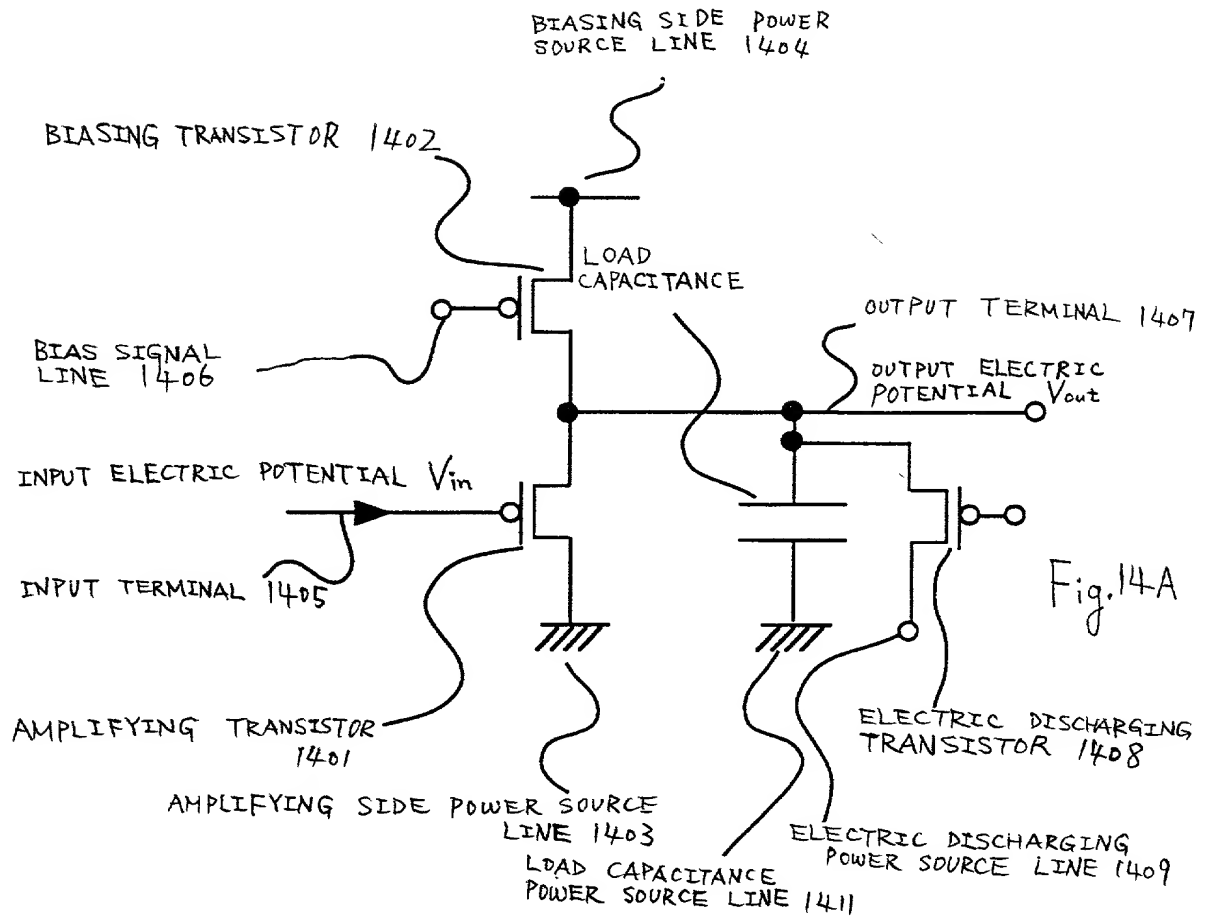


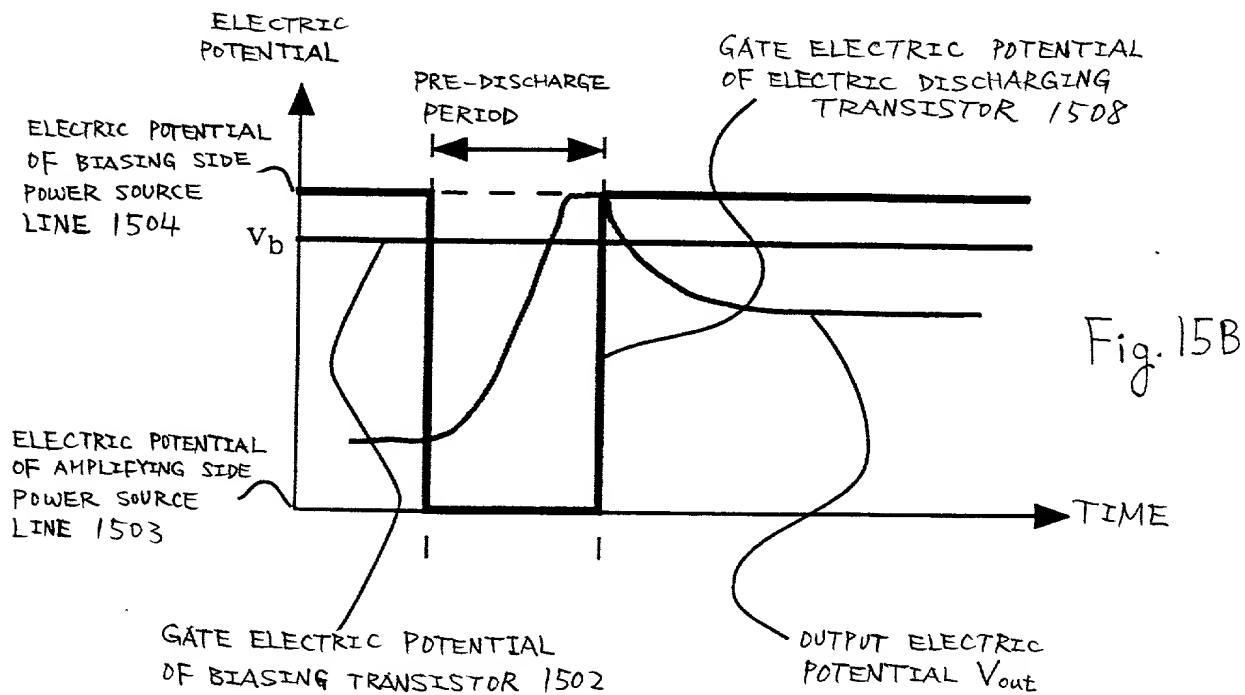
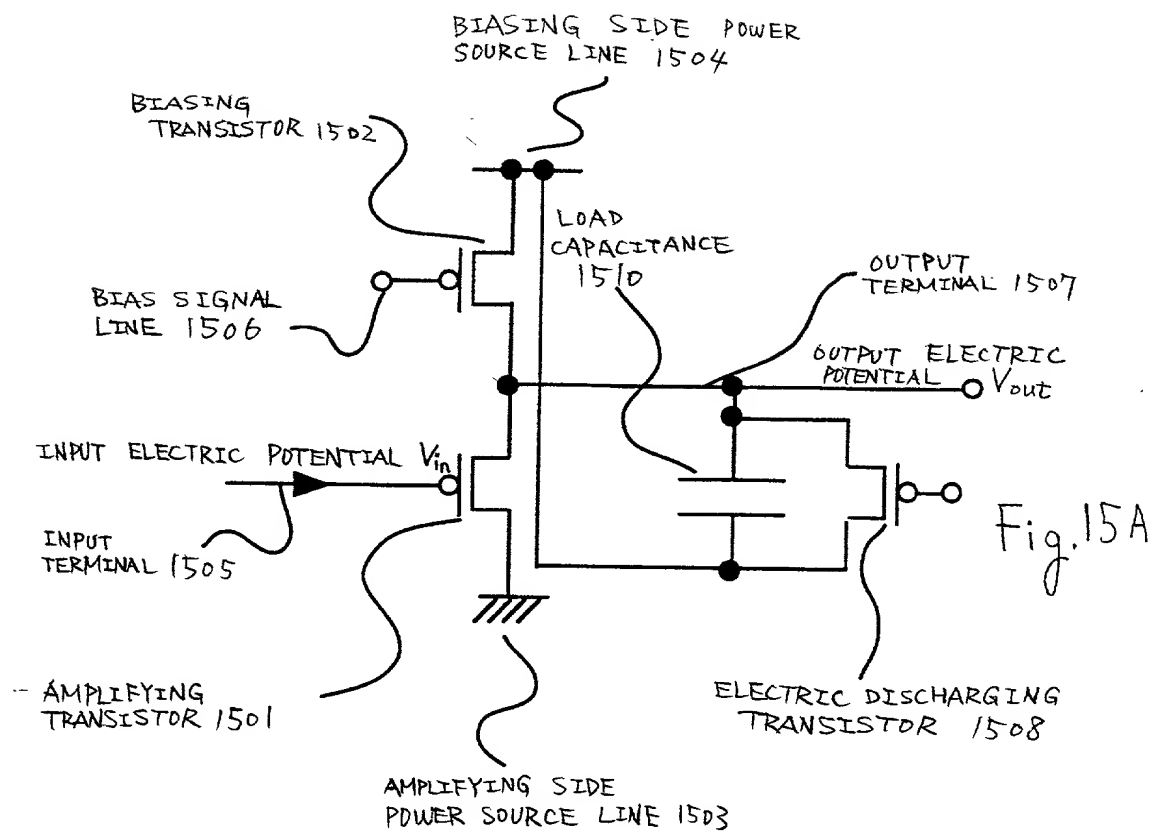
Fig. 10

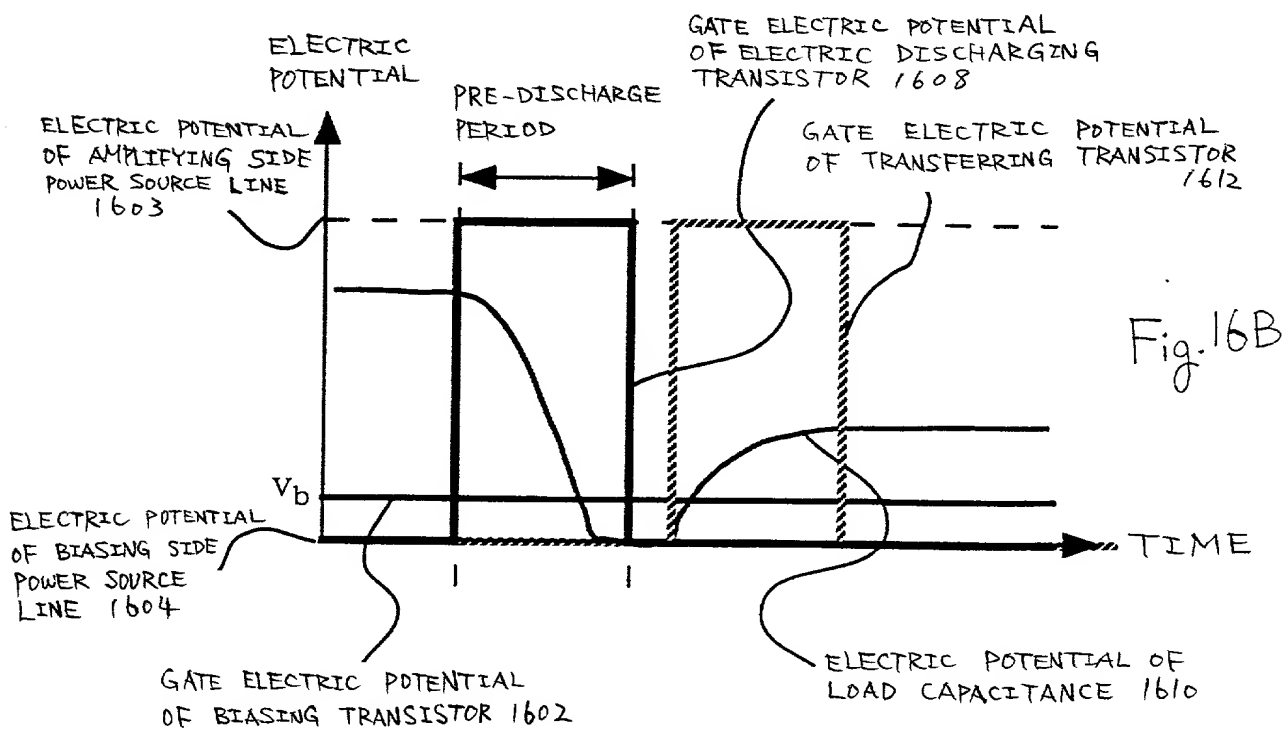
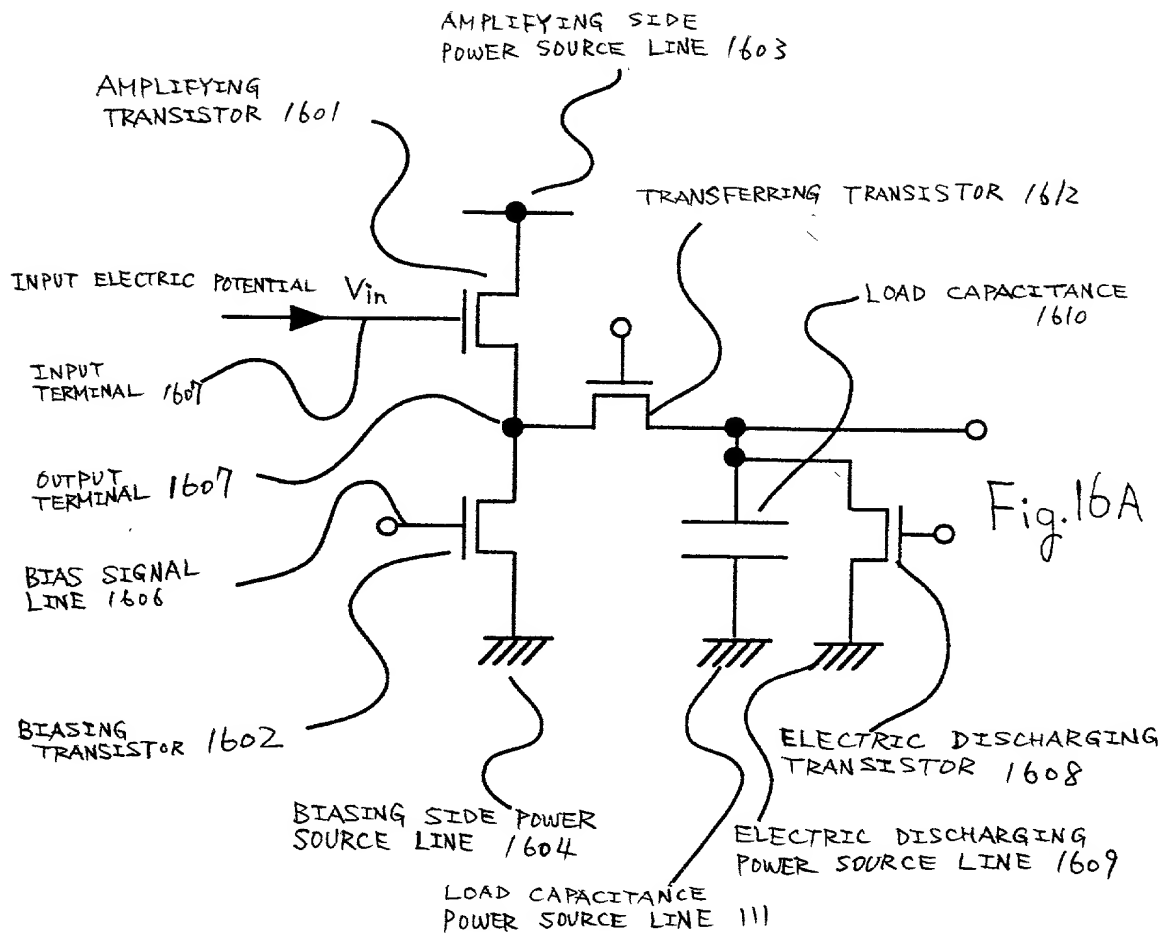


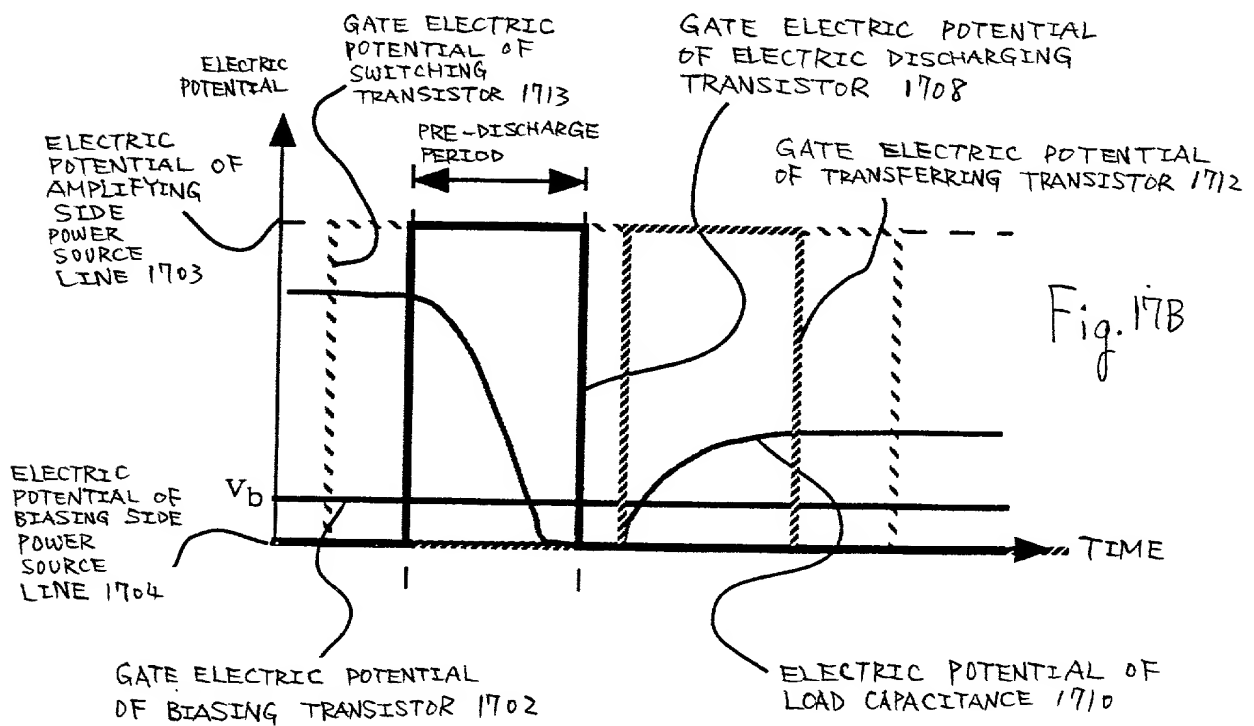
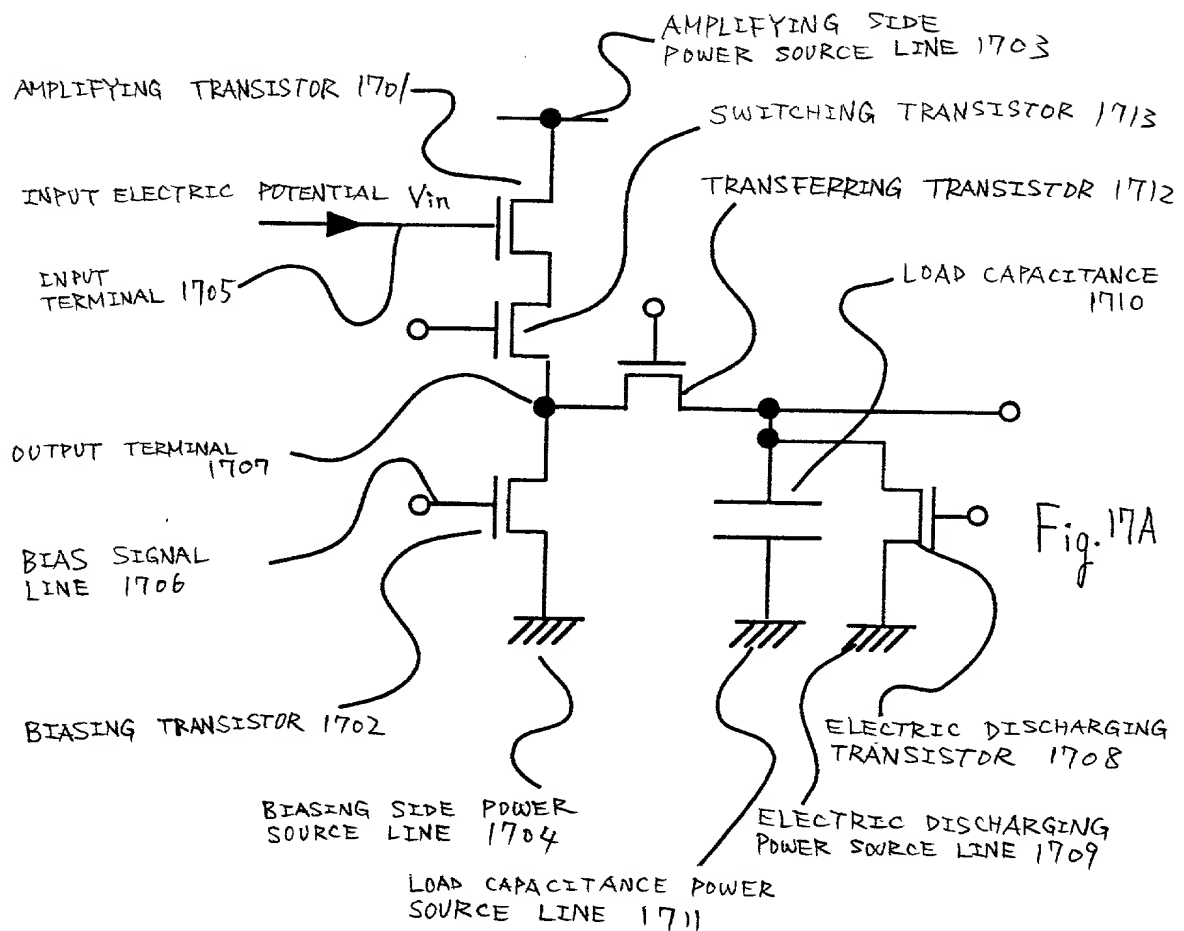


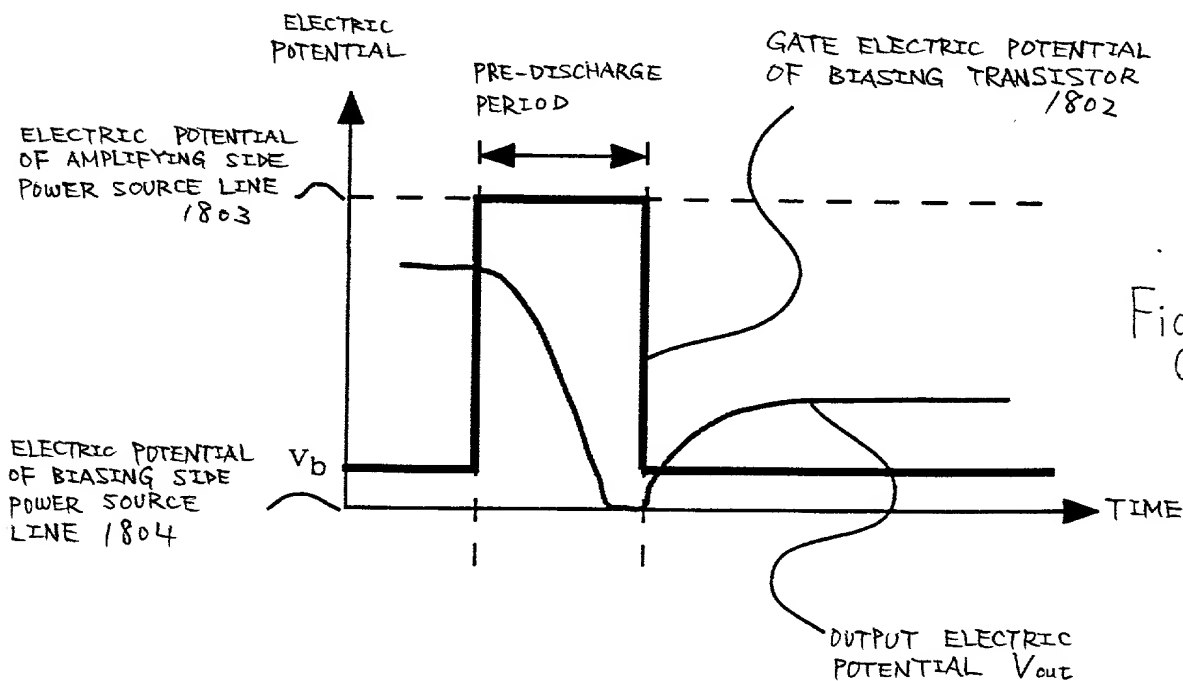
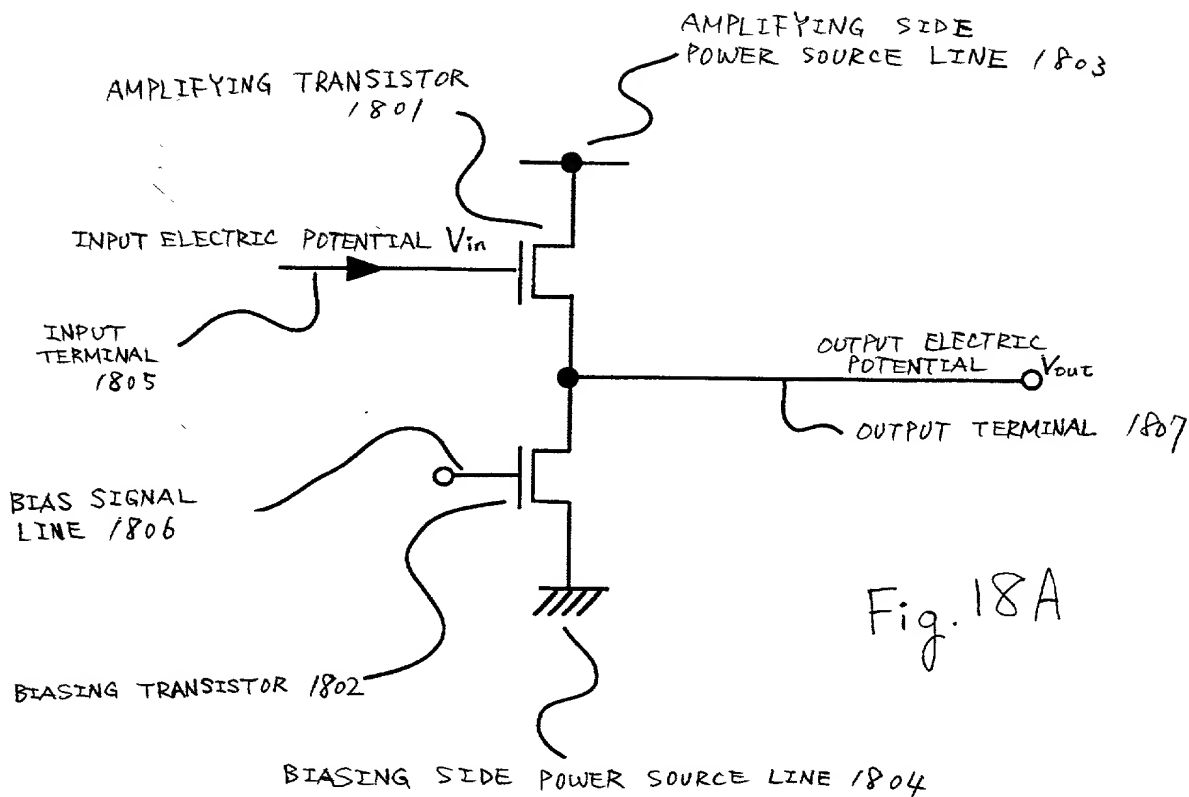


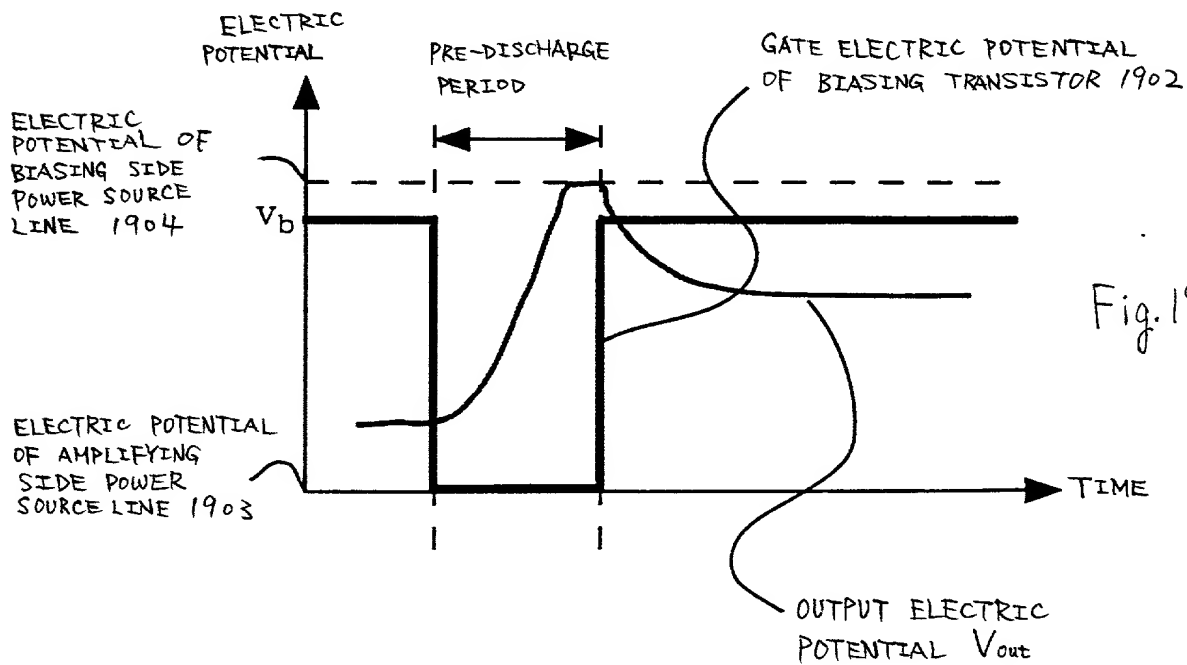
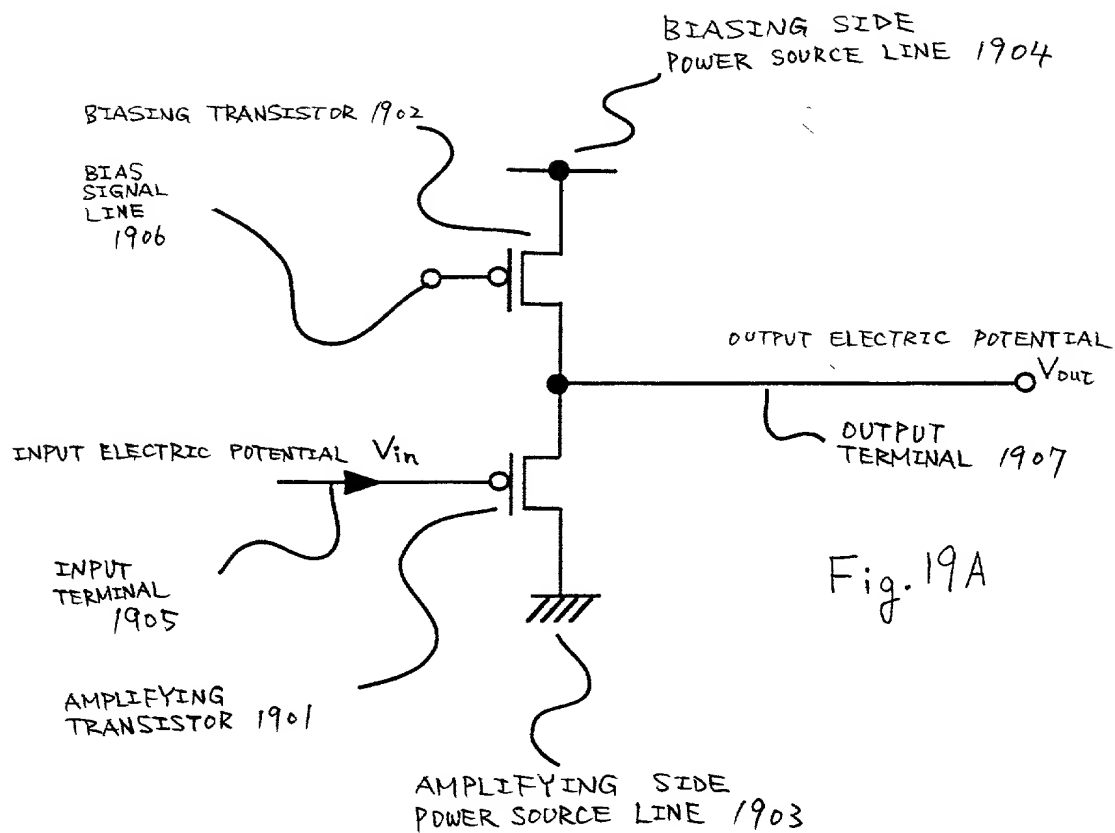












J-TH ROW PERIPHERAL
PORTION CIRCUIT
2009

SIGNAL OUTPUT LINE DRIVER CIRCUIT 2001

SAMPLE HOLD AND SIGNAL
PROCESSING CIRCUIT 2002

BIASING
CIRCUIT
2003

FINAL OUTPUT
AMPLIFYING
CIRCUIT 2004

Fig. 20

GATE SIGNAL LINE
DRIVER CIRCUIT
2006

J-TH ROW POWER
SOURCE LINE

I-TH LINE GATE
SIGNAL LINE

i-th LINE j-th ROW PIXEL
PORTION CIRCUIT 2008

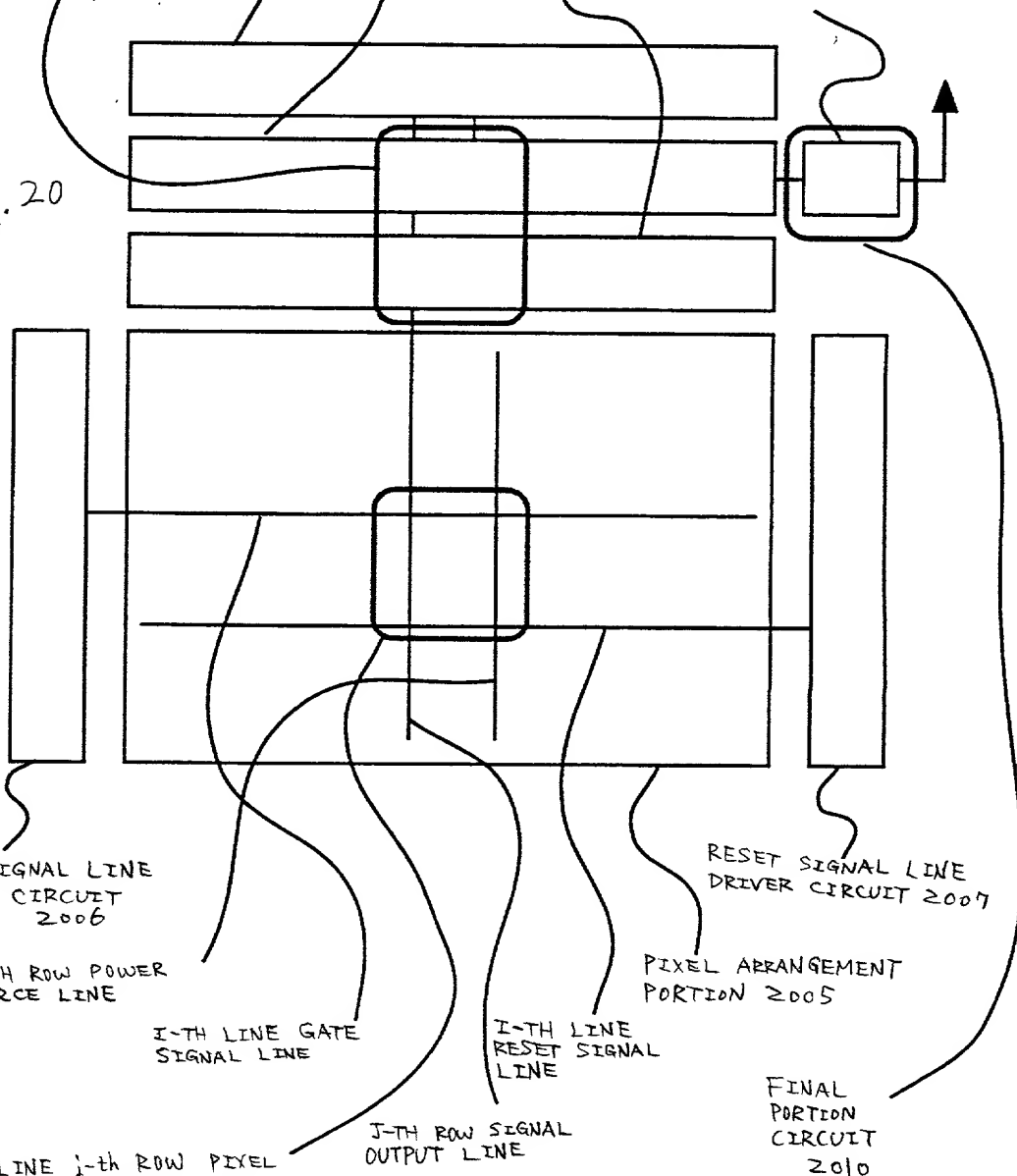
J-TH ROW SIGNAL
OUTPUT LINE

PIXEL ARRANGEMENT
PORTION 2005

RESET SIGNAL LINE
DRIVER CIRCUIT 2007

I-TH LINE
RESET SIGNAL
LINE

FINAL
PORTION
CIRCUIT
2010



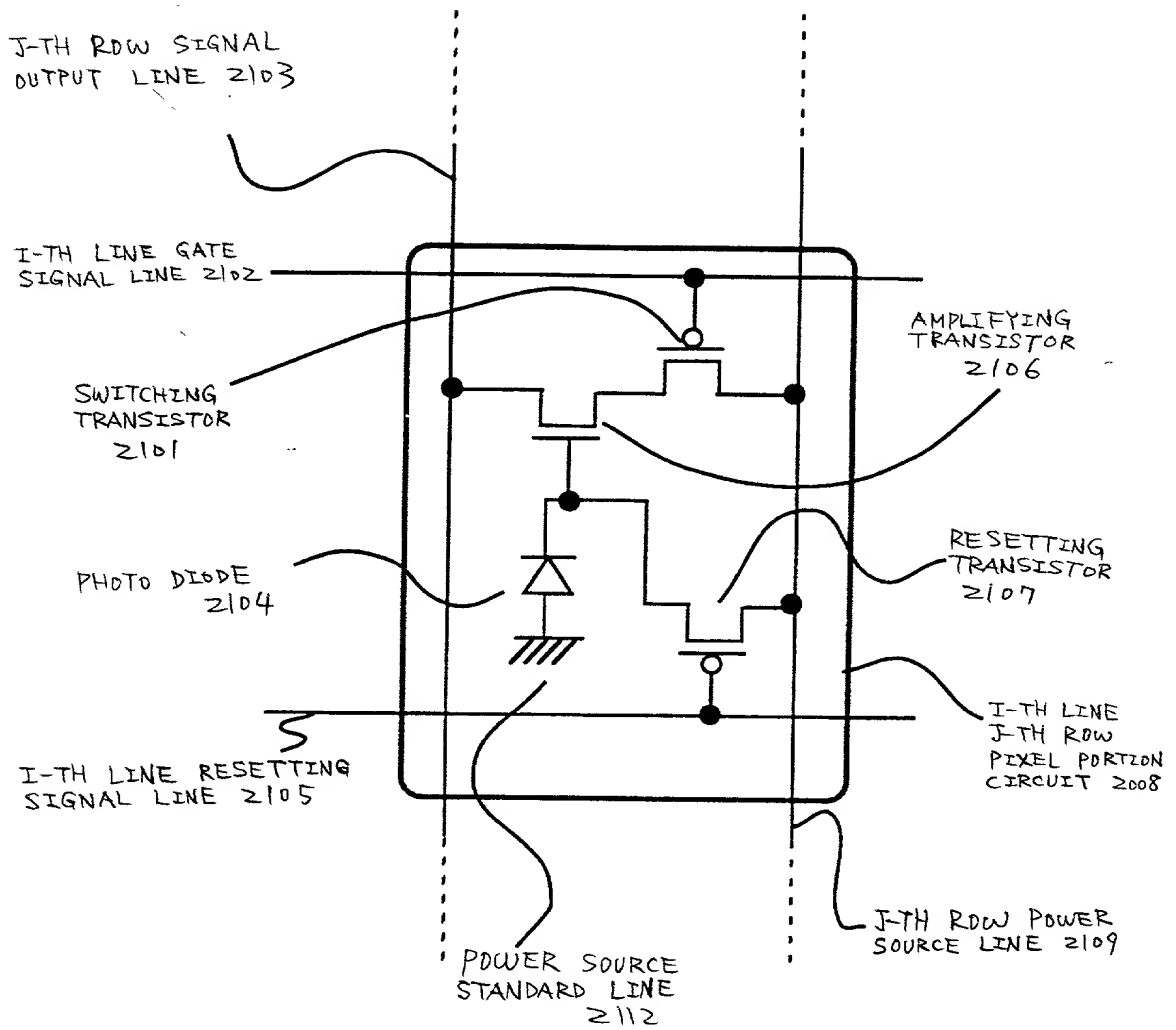


Fig. 21

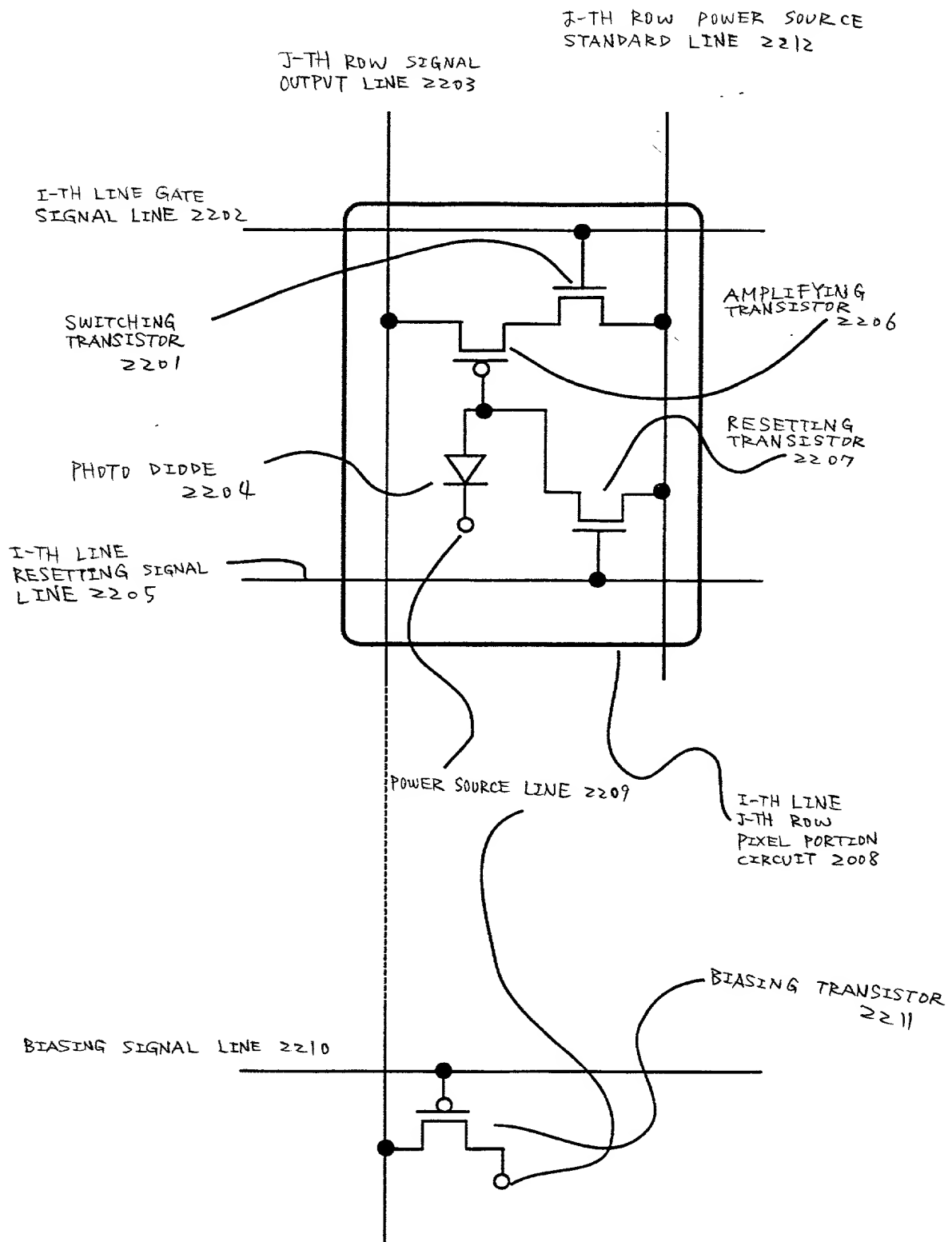


Fig. 22

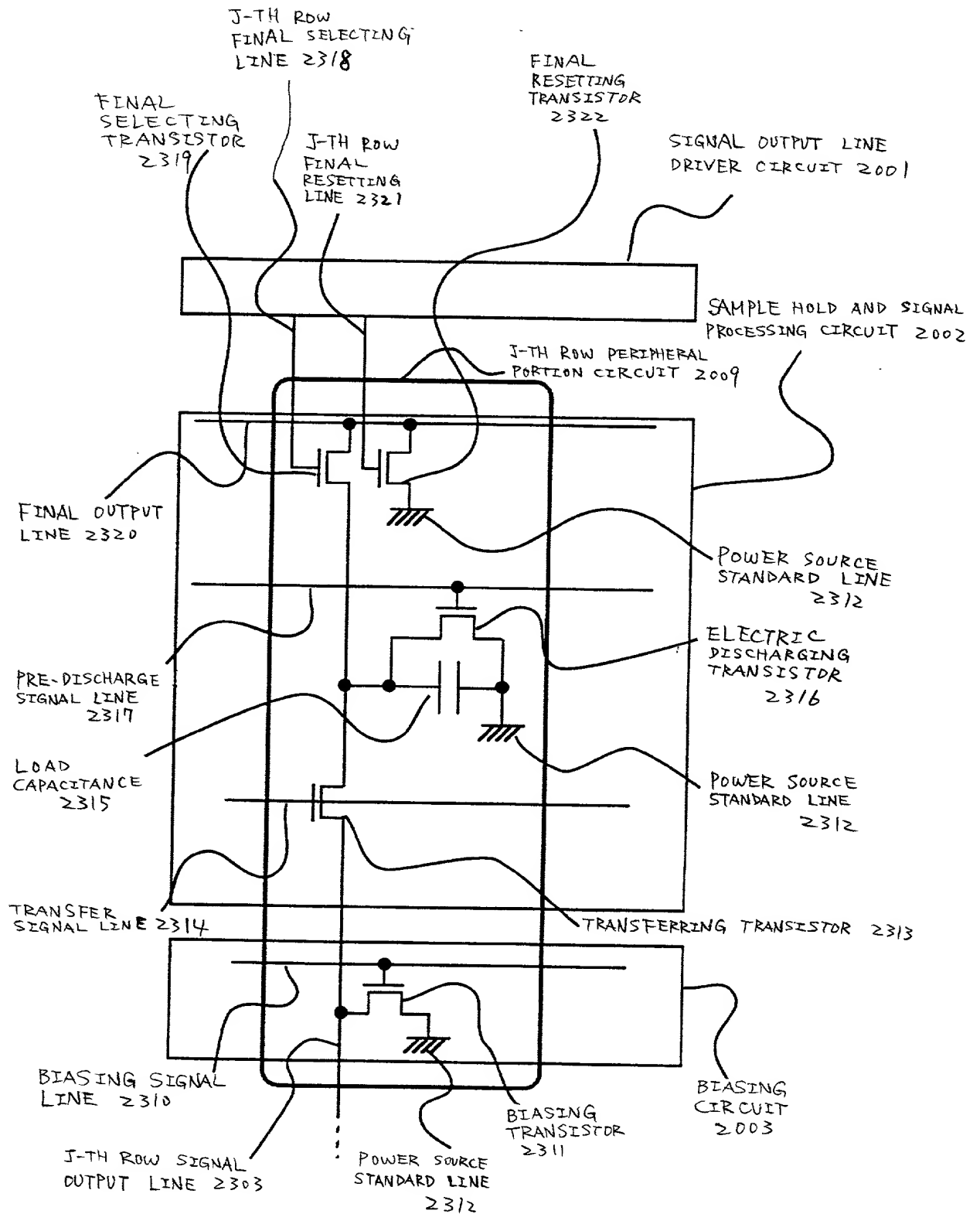


Fig. 23

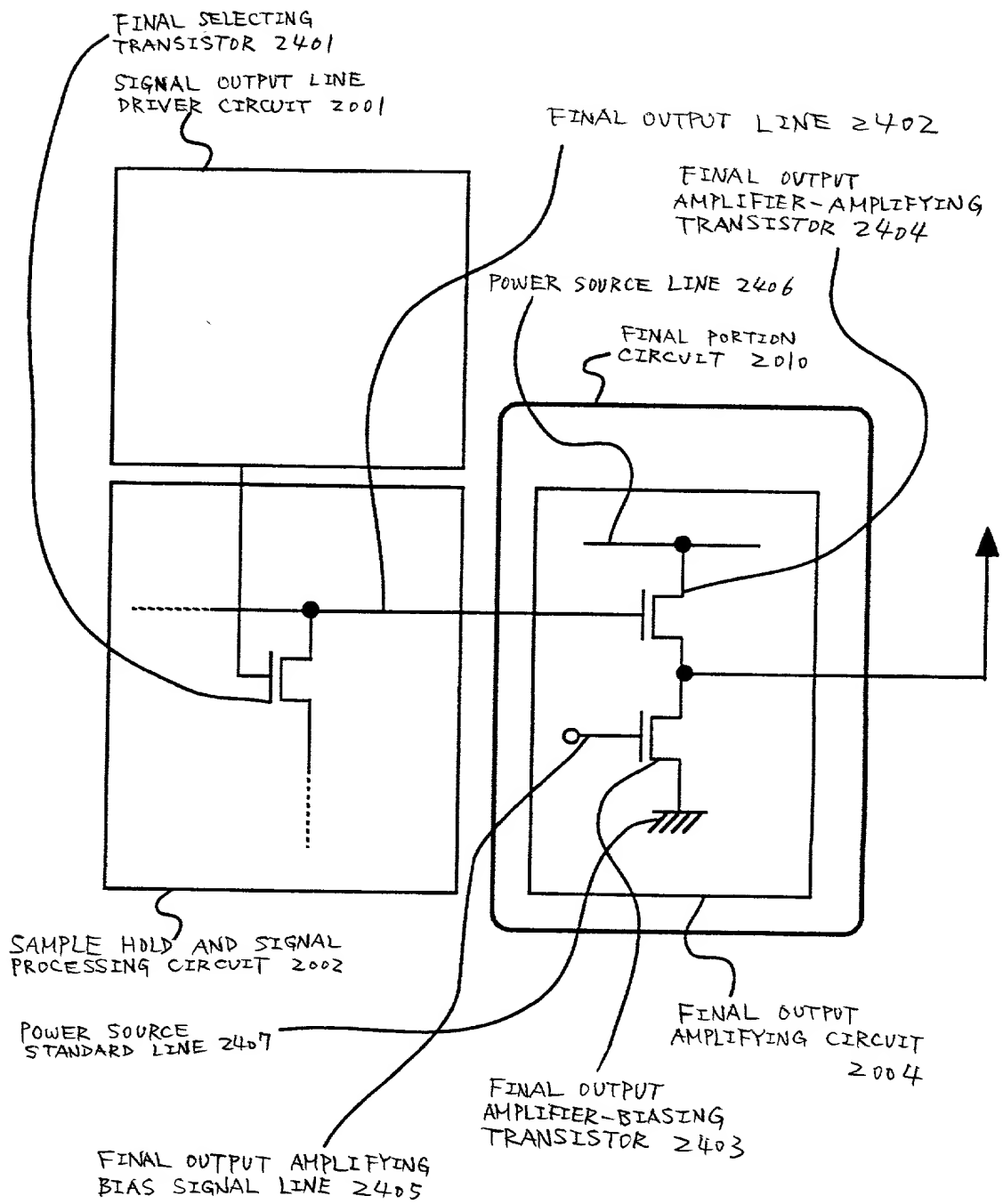


Fig. 24

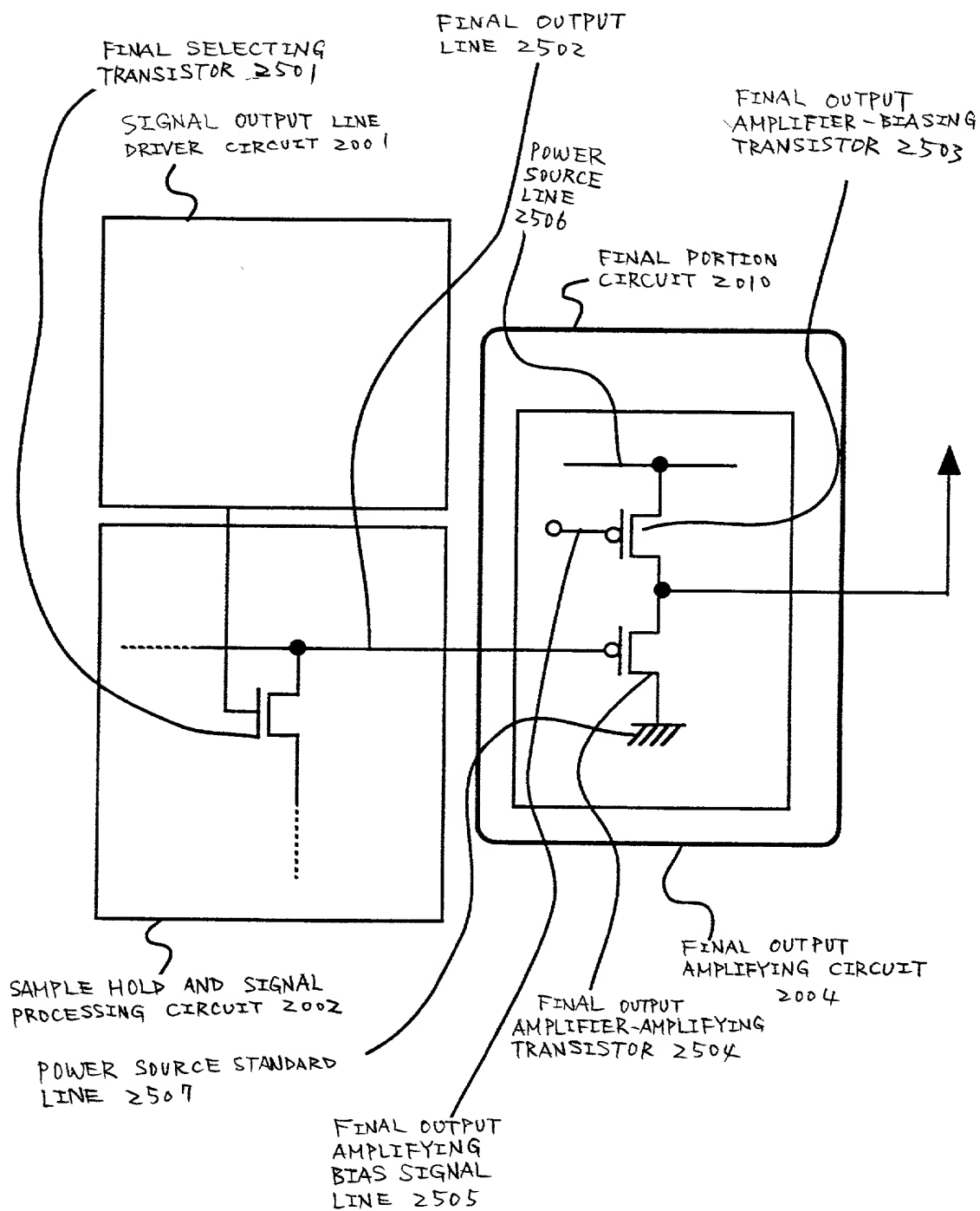


Fig. 25

Fig. 26

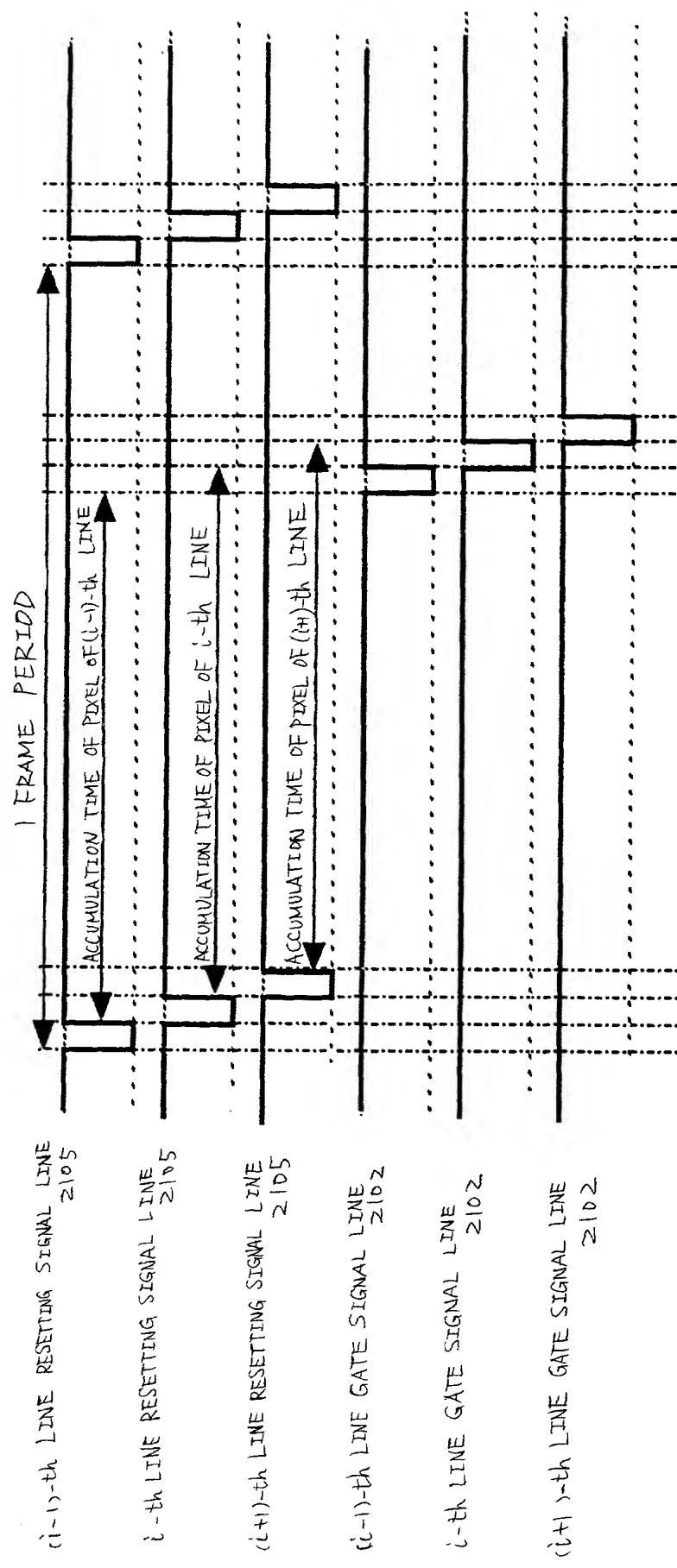


Fig. 27

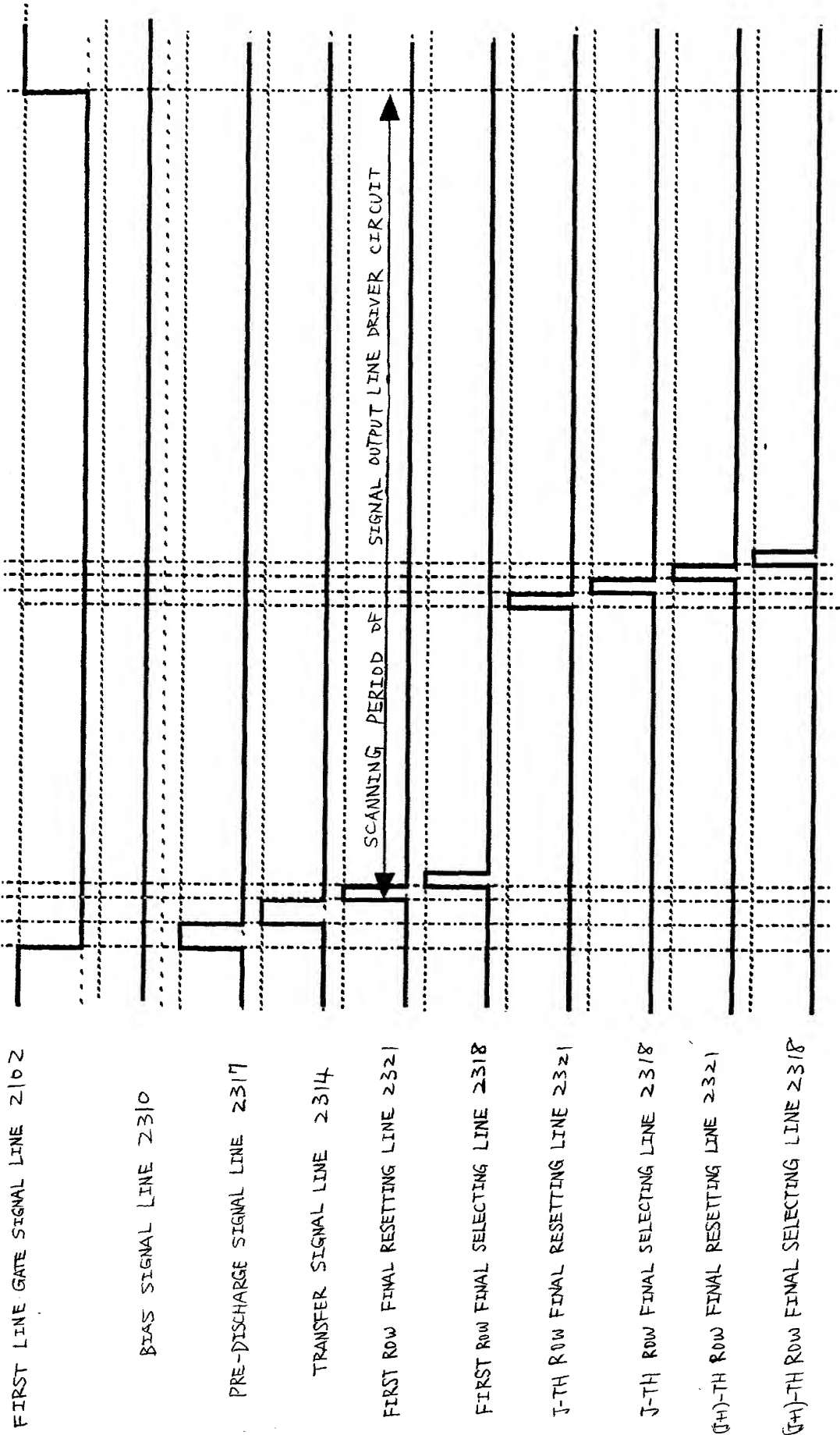


Fig. 28

I-TH LINE GATE SIGNAL LINE 2102

BIAS SIGNAL LINE 2910

TRANSFER SIGNAL LINE 2914

FIRST ROW FINAL RESETING LINE 2921

FIRST ROW FINAL SELECTING LINE 2918

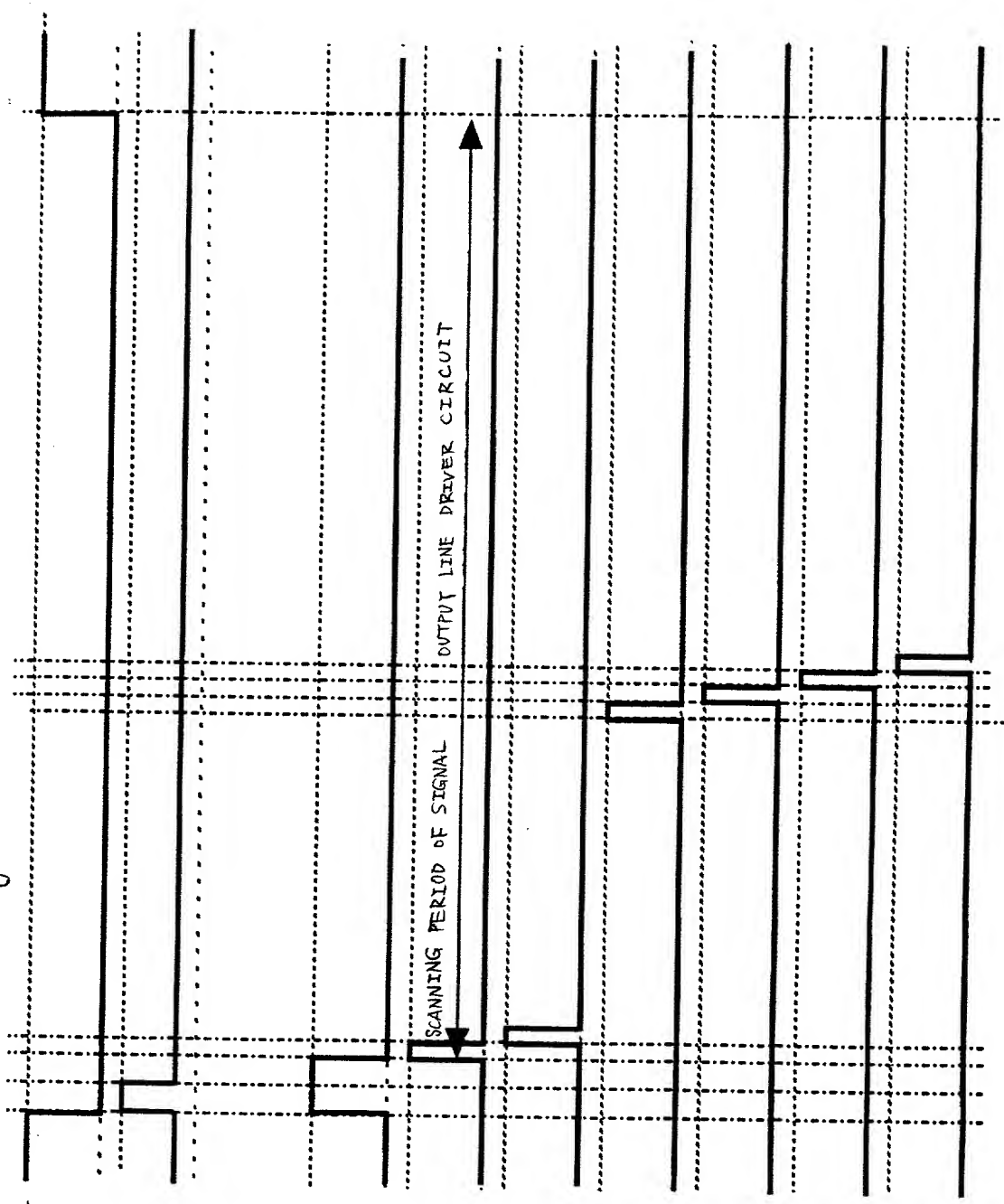
J-TH ROW FINAL RESETING LINE 2921

J-TH ROW FINAL SELECTING LINE 2918

(J+1)-TH ROW FINAL RESETING LINE 2921

(J+1)-TH ROW FINAL SELECTING LINE 2918

SCANNING PERIOD OF SIGNAL
OUTPUT LINE DRIVER CIRCUIT



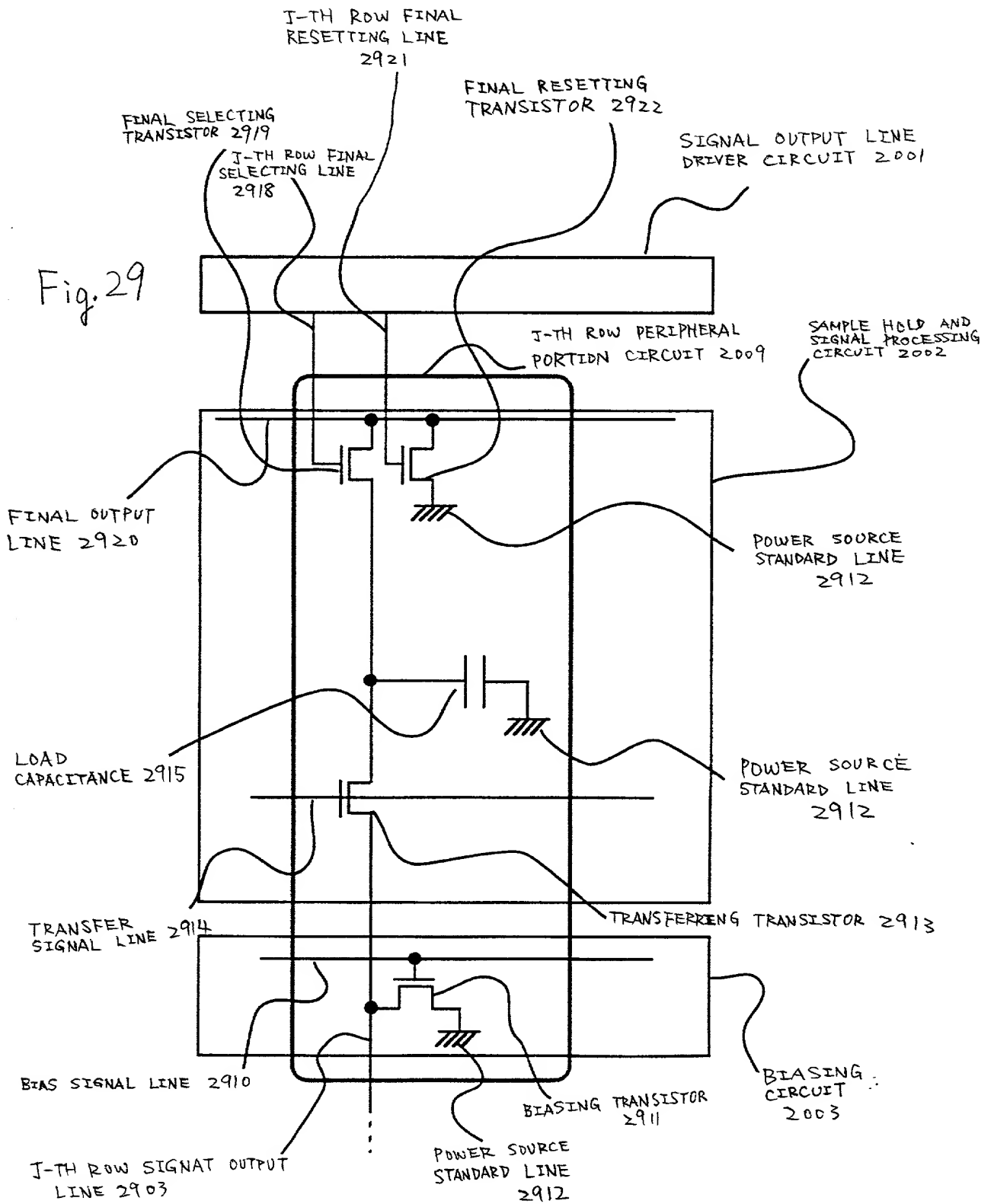


Fig. 30A CRYSTALLIZATION STEP

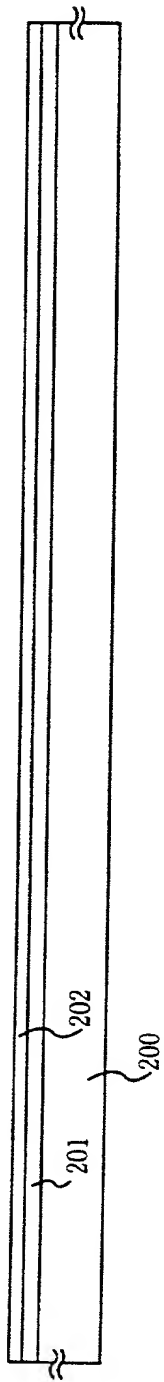


Fig. 30B

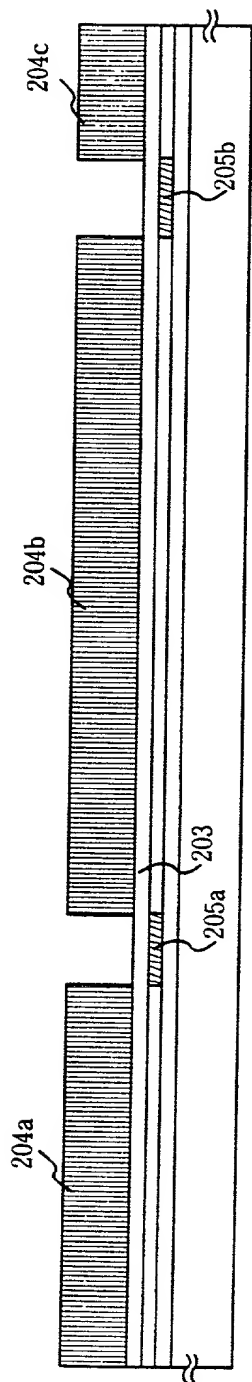


Fig. 30C LASER ANNEALING STEP



Fig. 30D

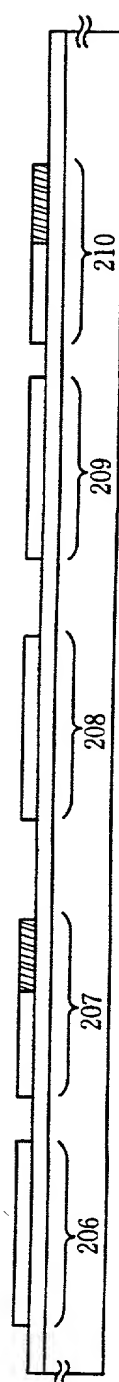


Fig. 31A

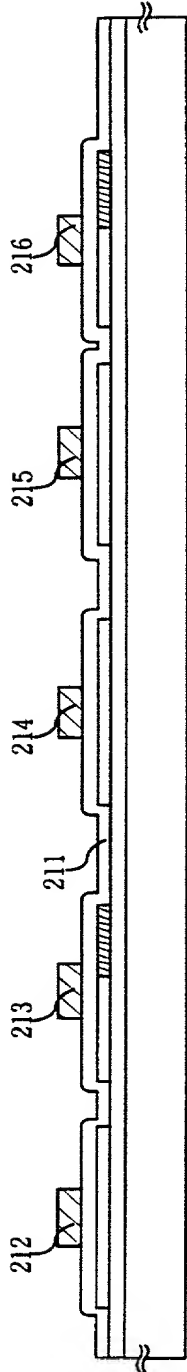


Fig. 31B

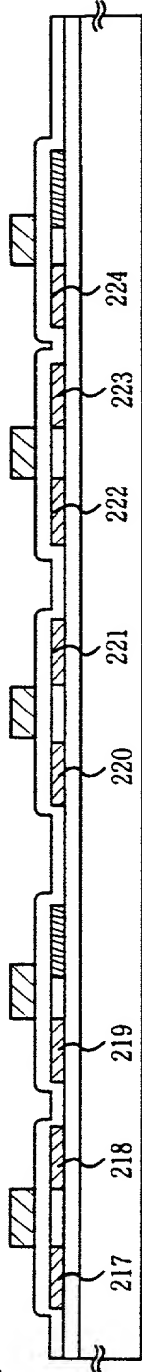


Fig. 31C

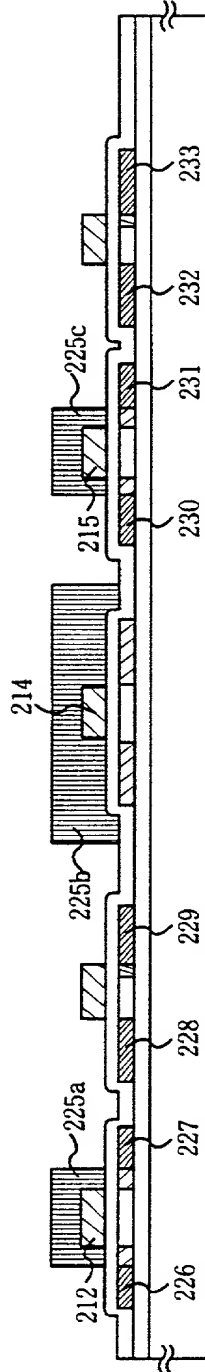


Fig. 31D

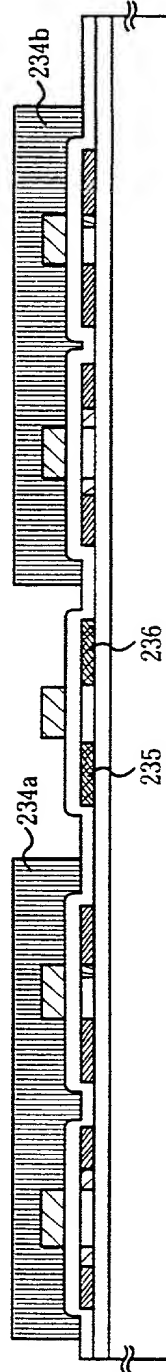


Fig. 32A

Fig. 32A

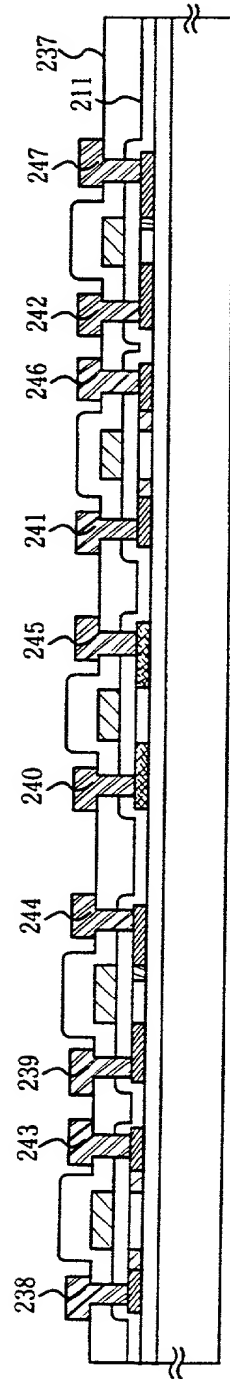


Fig. 32B

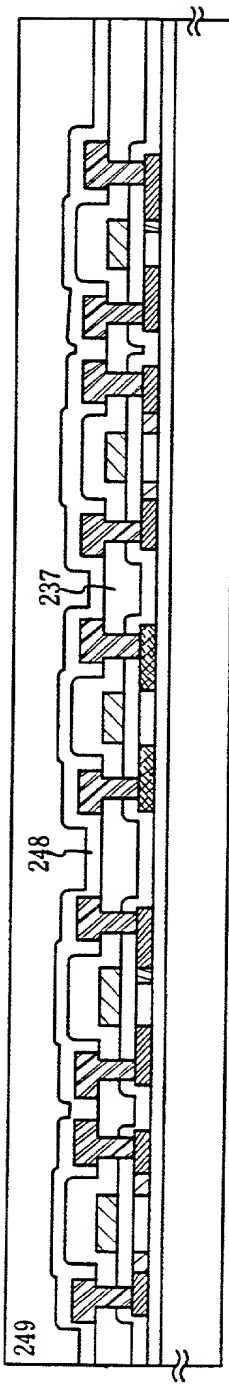


Fig. 32C

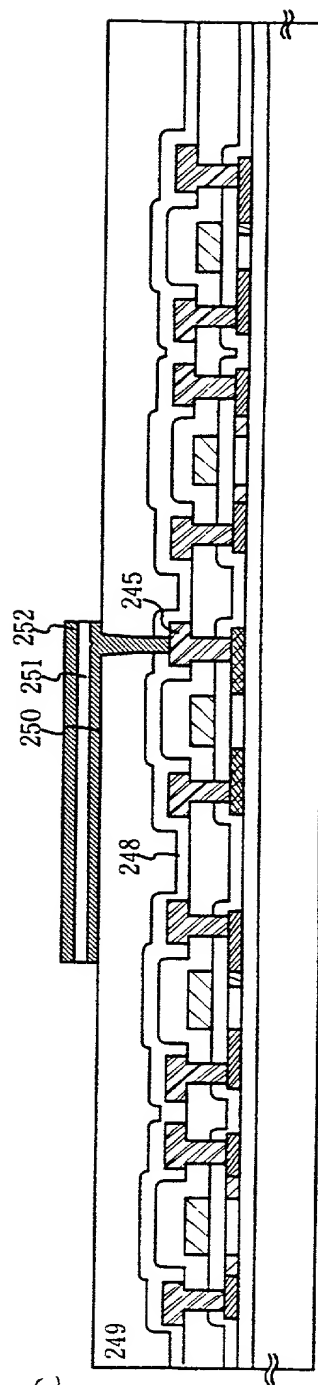


Fig. 33A

Fig. 33A

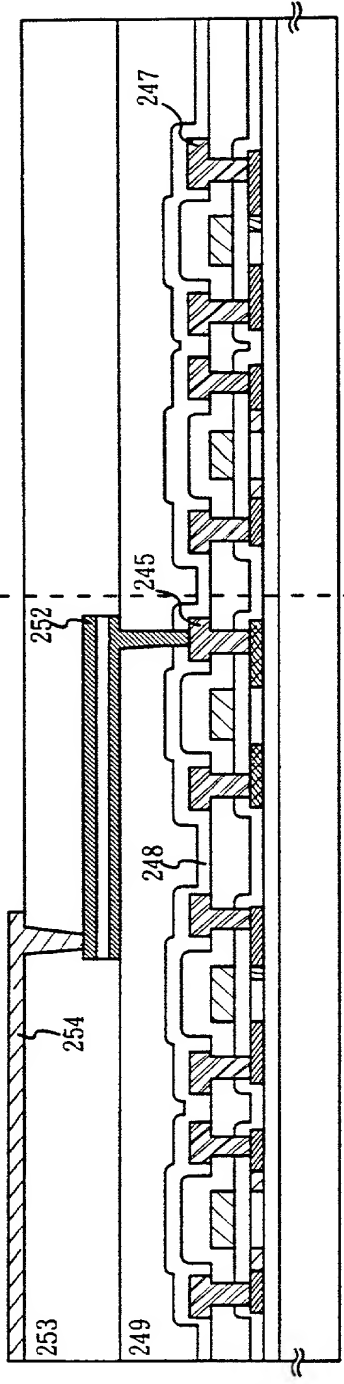
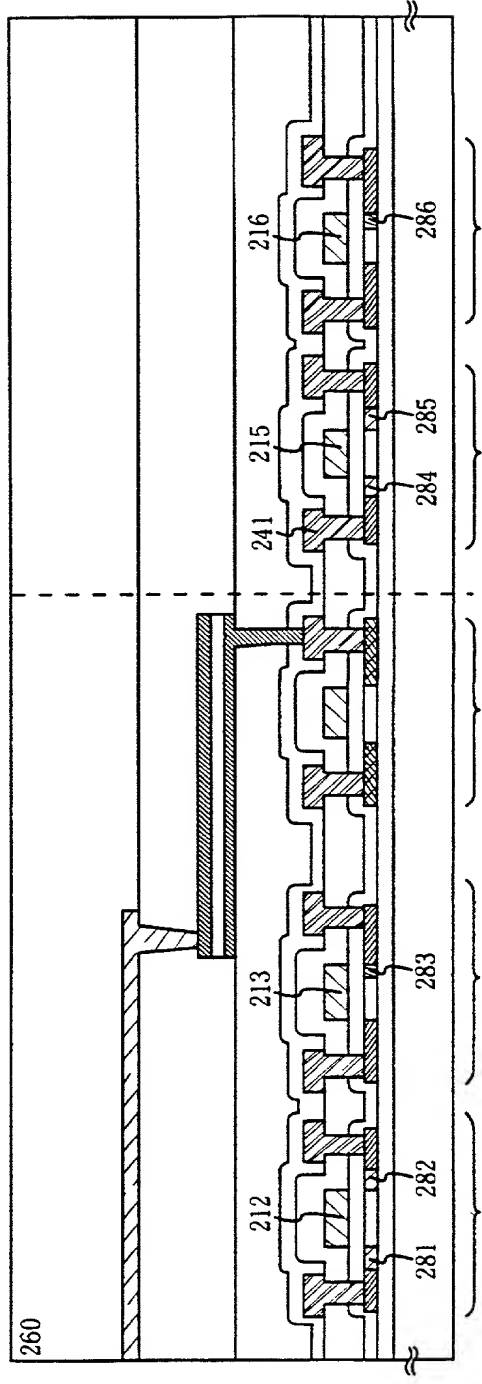
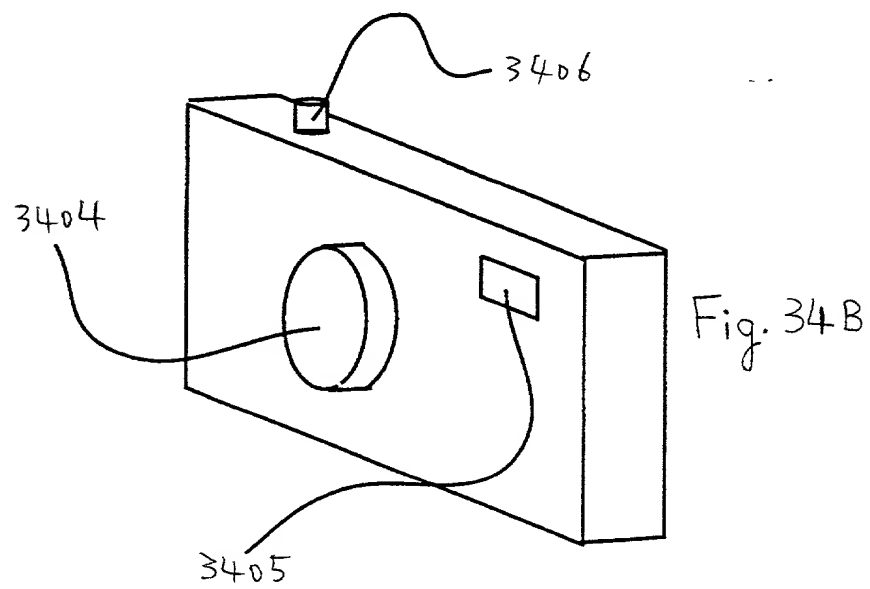
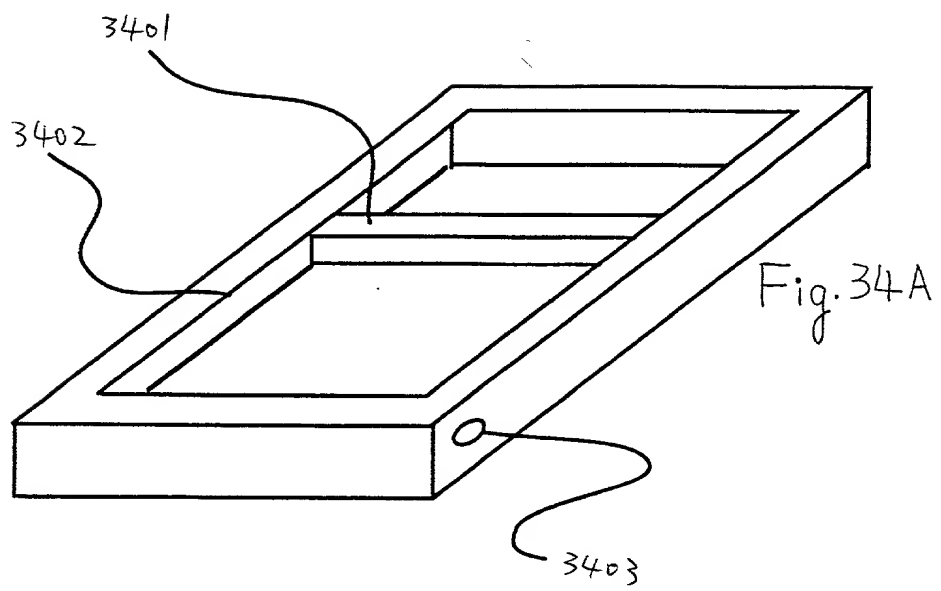


Fig. 33B





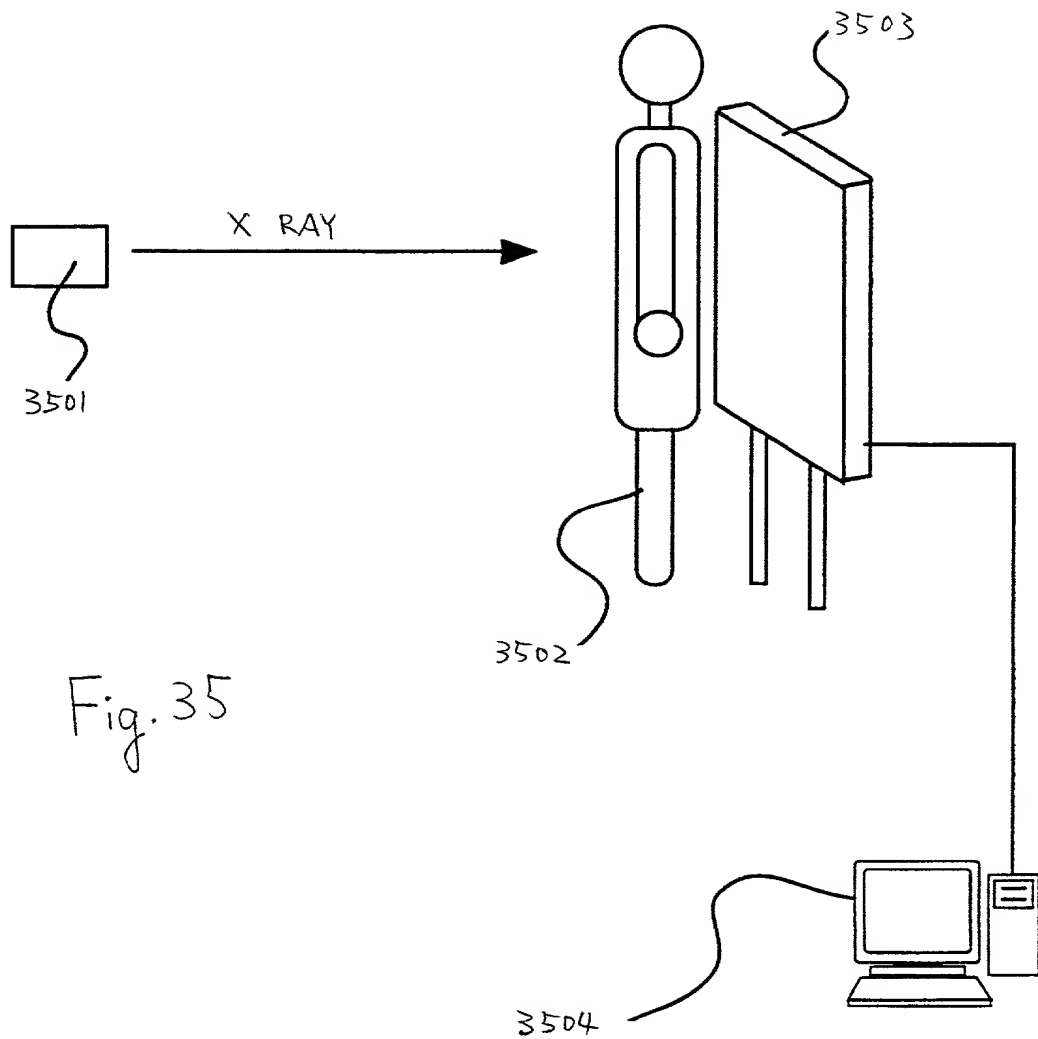


Fig. 35

